Users Manual

for LCD TV

MODEL : LEANTO board Analog TV tuner

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SAFETY INSTRUCTIONS:

This symbol is intendded to alert the user to the presence of uninsulated "dangerous voltage" within magnitude to constitute a risk of electric shock to persons.

This symbol is intendded to alert the user to the presence of important operating and maintenance accompanying the appliance.

CAUTION

- TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD.
- DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- SHOCK HAZARD DO NOT OPEN.

CAUTION

- These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

WARNING

- Apparatus shall not be exposed to driping or splashing and no objectss filled with liquids, such as vases, shall be placed on the apparatus.
- This is Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
- To reduce the risk of fire and electric shock, do not expose this product to rain or moisture.

FCC NOTICE

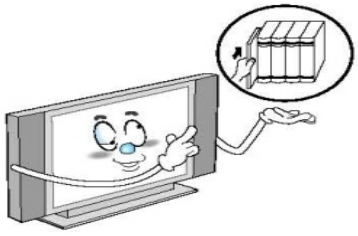
This device has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in home environment as well as in a commercial, industrial or business environment. This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Connecting of peripherals requires the use of grounded shielded signal cables.

Always be careful when using your Monitor. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

Read all safety and operating instructions before operating your Monitor.



Keep the safety and operating instructions for future reference.

Heed all warnings on the Monitor and in the operating instructions.

SAFETY INSTRUCTIONS:

Always be careful when using your PDP. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with a dry cloth.

7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use the attachments/accessories specified by the manufacturer.

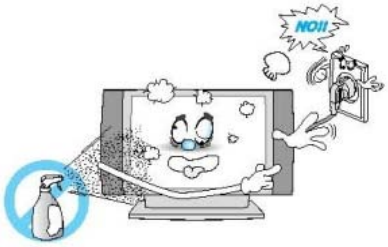
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

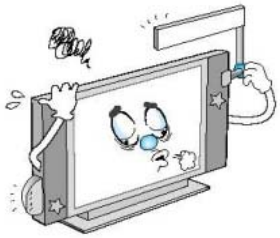
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

SAFETY INSTRUCTIONS:

Follow all operating and use instructions.



Unplug the Monitor from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.



Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.

Do not use the Monitor where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.

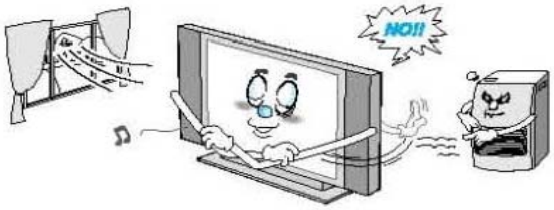
Do not place the Monitor on an unstable cart, stand, tripod, bracket, table, or floor where it can fall. A falling Monitor can cause serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the Monitor. Move the Monitor and cart with care. Quick stops, excessive force,and uneven surfaces can make the unit and cart unsteady and likely to overturn.

This plasma display is designed to be mounted horizontally (wide viewing). Any inquiry regarding its vertical position should be forwarded to the manufacture directly

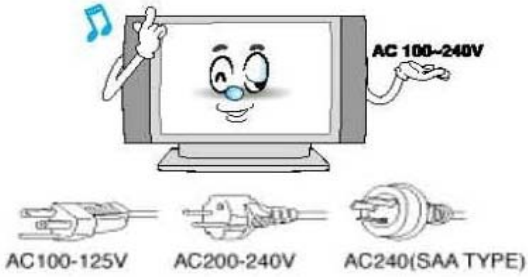
When installing the Monitor on a table, be careful not to place the edge of its stand.

- This may cause the Monitor to fall, causing serious injury to a child or adult, and serious damage to the Monitor.

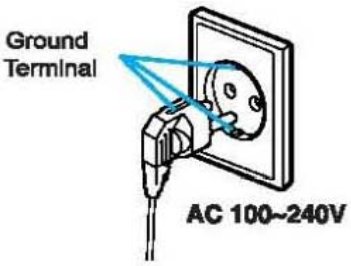
SAFETY INSTRUCTIONS:



Provide ventilation for the Monitor. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the Monitor on a bed, sofa, rug or other similar surface. Do not place it near a radiator or heat register. If you place the Monitor on a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions for mounting.

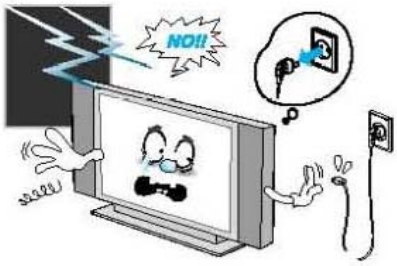


Use only the accessory cord designed for this product to prevent shock. The power supply voltage rating of this product is AC100-240V, the power cord attached conforms to the following power supply voltage. Use only the power cord designated by our dealer to ensure Safety and EMC. When it is used by other power supply voltage, power cable must be changed. Consult your product dealer.

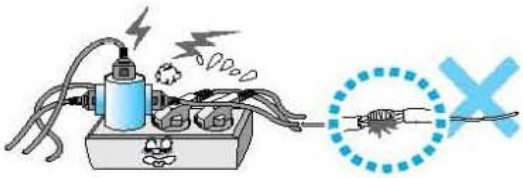


Use only a grounded or polarized outlet. For your safety, this Monitor is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still does not fit, contact your electrician to replace your outlet.

Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.

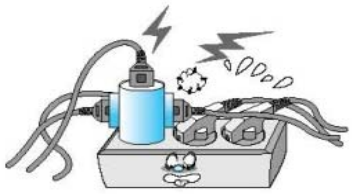


Unplug the Monitor from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.

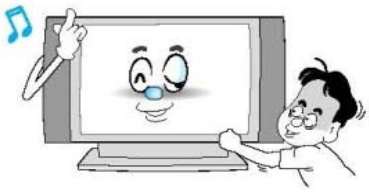


Protect the power cord. Power supply cords should be routed so that they won't be walked on or pinched by objects placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

SAFETY INSTRUCTIONS:



Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.

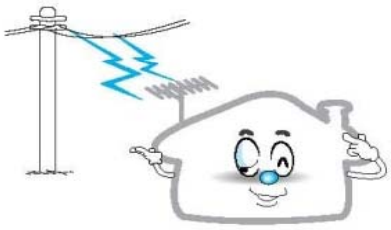


Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the Monitor.

Bend antenna cable between inside and outside building to prevent rain from flowing in.

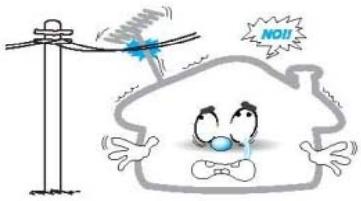
- This may cause water damaged inside the Monitor and could give an electric shock.

Ground outdoor antennas. If an outside antenna or cable system is connected to the Monitor, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



Do not place an outside antenna in the vicinity of overhead power lines, other electric light or power circuits.

- This may cause an electric shock.



There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls.

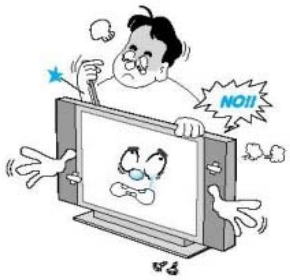
- This may cause an electric shock.

Do not attempt to service the Monitor yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- when the power-supply cord or plug is damaged
- if liquid has been spilled on the unit or if objects have fallen into the unit
- if the Monitor has been exposed to rain or water
- if the Monitor does not operate normally by following the operating instructions
- if the Monitor has been dropped or the cabinet has been damaged
- when the Monitor exhibits a distinct change in performance

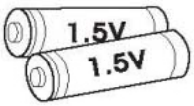
SAFETY INSTRUCTIONS:

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.



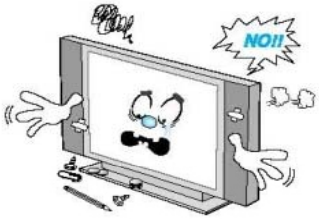
Upon completion of any service or repairs to this Monitor, ask the service technician to perform safety checks to determine that the Monitor is in a safe operating condition.

If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the Monitor to normal.



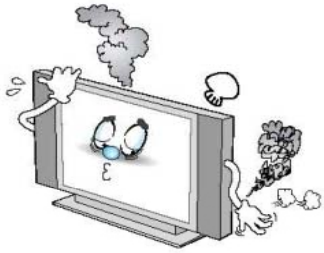
Only use the specified batteries.

- This make cause damaged the Monitor or could give an electric shock.



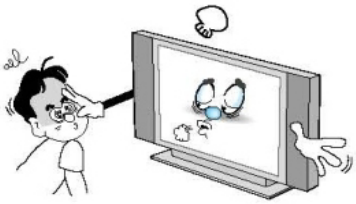
Do not place anything containing liquid on top of the Monitor.

- This may cause a fire or could give an electric shock.



In case of smoke or strange smell from the Monitor, switch it off, unplug it from the wall outlet and contact your dealer or service center.

- This may cause a fire or could give an electric shock.

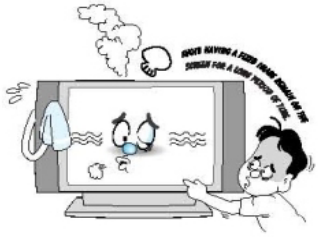


The distance between eyes and the screen should be about 5~7 times as long as diagonal length of the screen.

- If not, eyes will strain.

When moving the Monitor assembled with speakers do not carry holding the speakers.

- This may cause the Monitor to fall, causing serious injury to a child or adult, and serious damage to the Monitor.



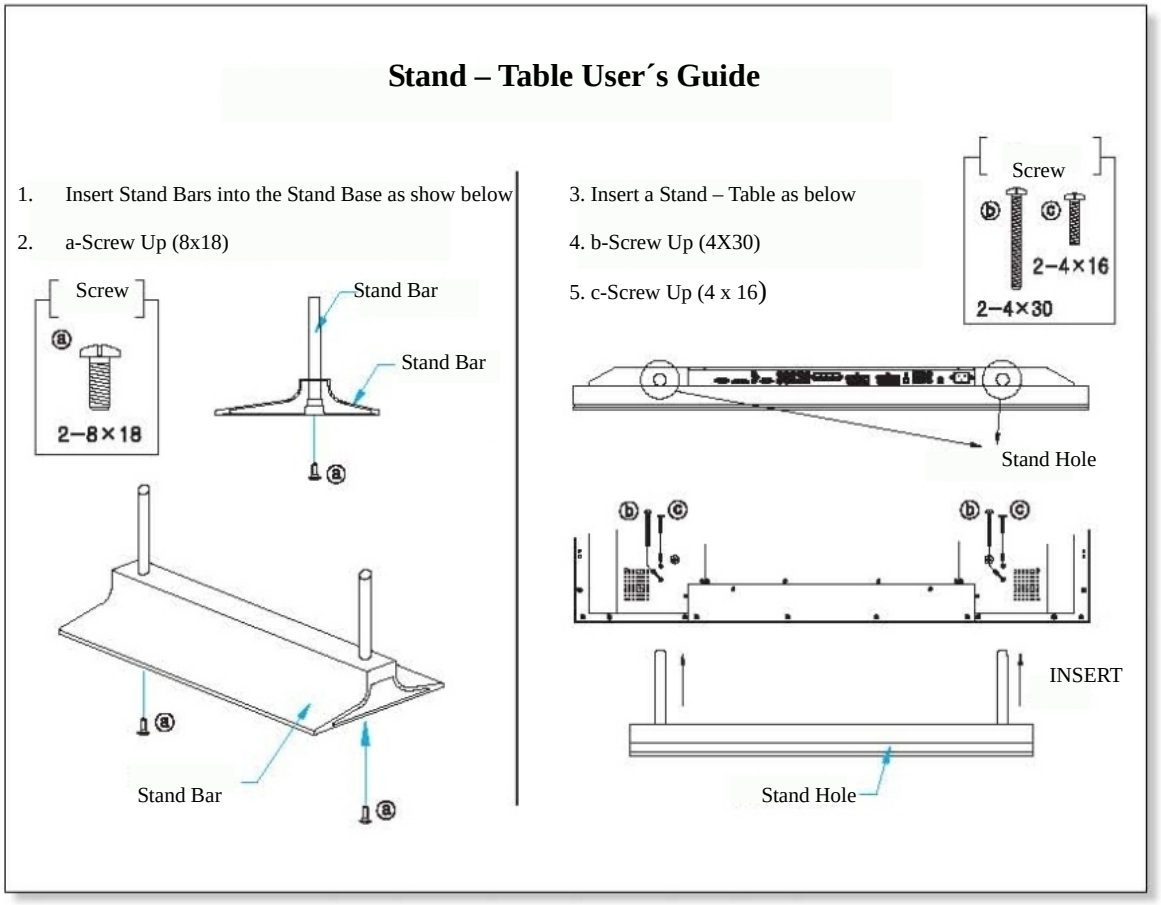
Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, 4:3 picture format or if a CH label is present; the fixed image may remain visible on the screen.

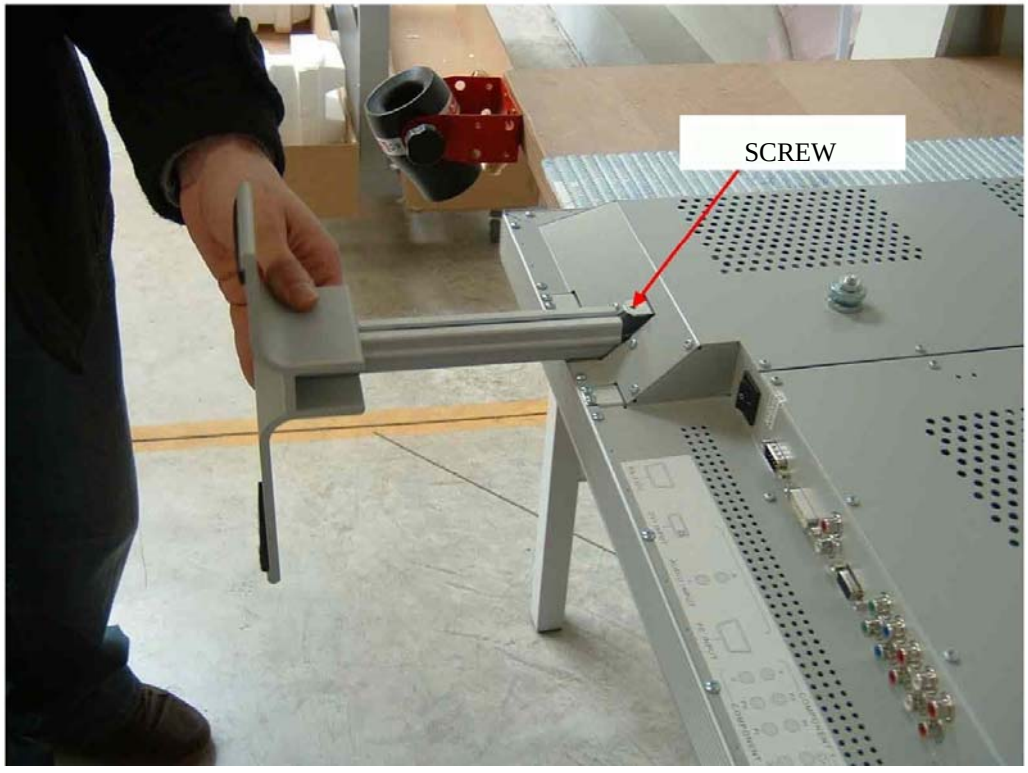
ACCESSORIES:

1 x Power Cord
1x User Manual
1 x Remote Control Handset
2 x Alkaline Batteries for Remote Control
1 x Stand
1 x Service Card

MONITOR INSTALLATION:

Installation:

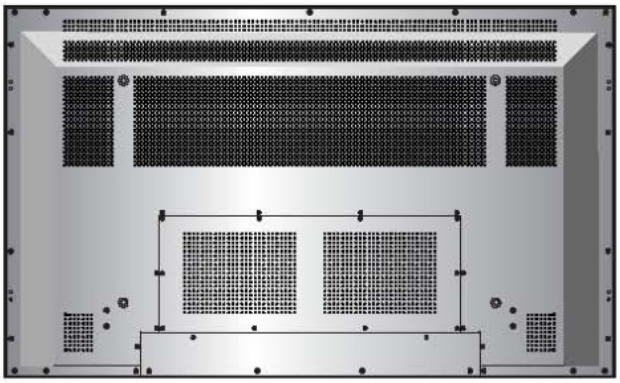


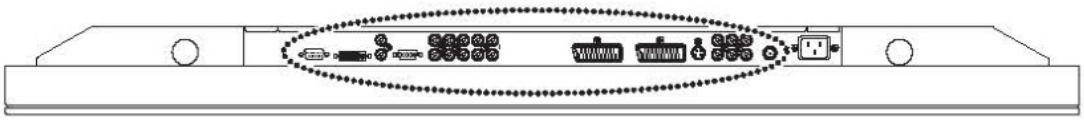


Insert Stand in Stand-Hole until it stopps.

Fit the screw!!!

BACK PANEL JACKS:





Jacks on the backside → Analog Tuner Version:

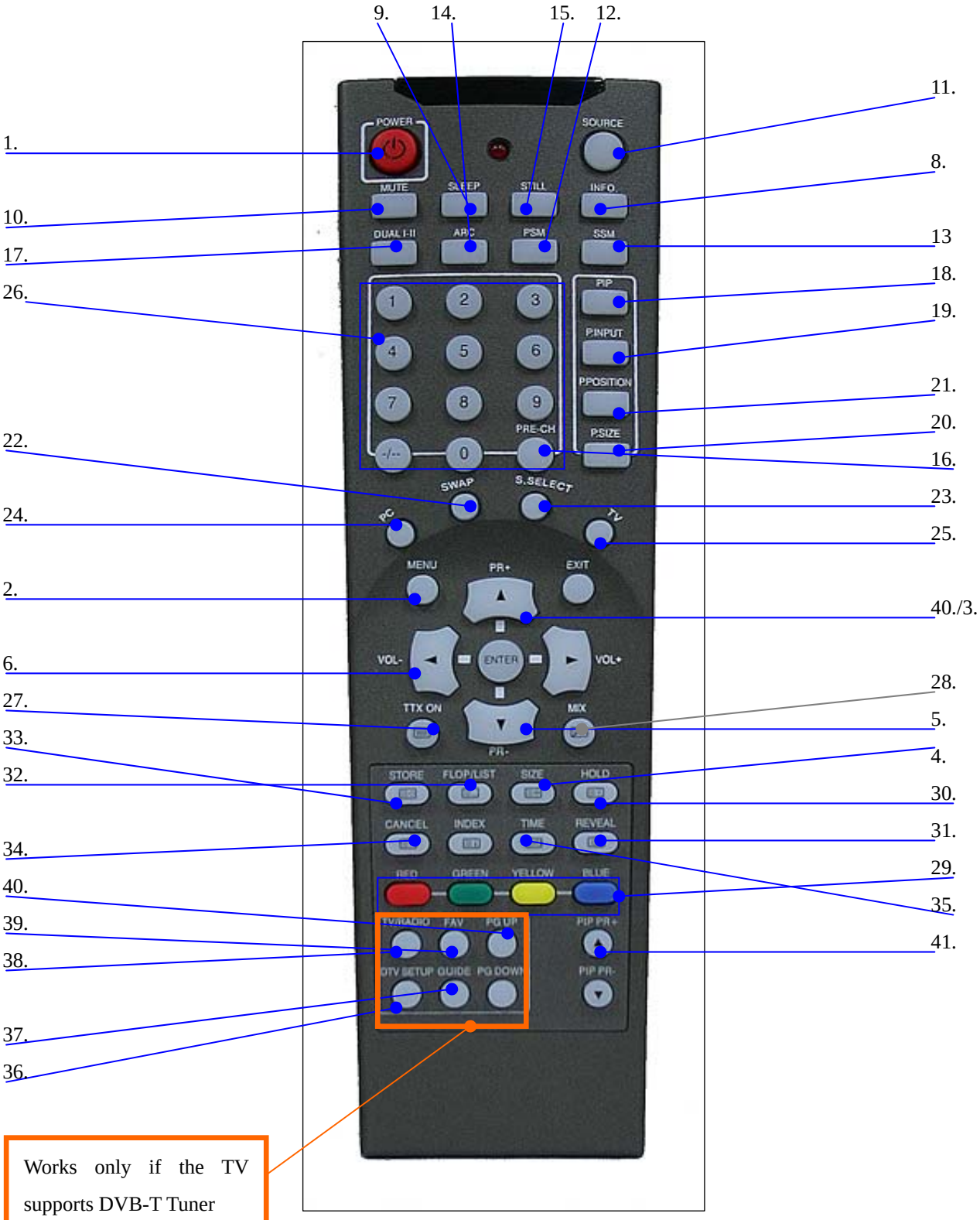
1. 2. 7.(w/r) 5. 12. 12. (white/red) 4. 4. 9. 10. 11.
8. 6. 12. 3. (green/red/blue)

JACKS on backside of PANEL	
1. DVI	Connects a digital Video signal from a DVI output jack of PC or Set Top Box
2. RGB PC INPUT JACK (D-SUB)	Connects a video signal from a video output jack of PC. Cables connecting the PC vary according to the type of machine, so contact your product dealer.
3. Component	Connects a three separate component video signal form a component output jack of a DVD player or Set Top box. Supports 480i/60Hz, 480p/60Hz, 576i/50Hz, 576p/50Hz, 720p/60Hz, 1080i/50Hz, 1080i/60Hz signals (i: interlace,p: progressive)
4. SCART (Euroconnector) Jack 1,2	SCART 1: Half SCART (CVBS only input /output). SCART 2: Full SCART (CVBS & RGB input /output).

	Connexts a SCART (eurocalbe) signal from a VCR or DVD player.
5. COMPOSITE (RCA) Intput Jack	Connects an AV composite video signal from a composite output terminal of a VCR or DVD player. Unavailable when a S-Video cable is put into the S-Video input jack.
6. S-Video	Connects a S-Video singals from a S-Video output jack of a S-VHS, VCR or DVD player.
7. Audio Output (RCA)	Connect the device to an external amplifier or music center.
8. PC Audio Input (RCA)	Connect soundcard of a PC with the Plasma TV to transfer the sound if your PC is connected over DVI or D-Sub
9. TV- Antenna JACK	Connext to an TV antenna cable
10. Power Switch	Switchs the TV completely ON or OFF.
11. AC (POWER) INPUT JACK	Firmly insert the accessory power cord as far as it will go into the power input terminal. Firmly push the power cord plug as far as it will go into the power socket.
12. Audio Input (RCA)	Audio Input for Component, Composite and S-Video source.

REMOTE CONTROL

Remote Control Picture



Works only if the TV supports DVB-T Tuner

< Remote Control Picture >

REMOTE CONTROL

IR-Remote controller Operations

Key Name	Operation
1. Power	► Power On/Off
2. Menu	► Same as Menu key on keypad.
3. Up	► Same as Up key on keypad
4. Down	► Same as Down key on keypad
5. Right	► Same as Right key on keypad
6. Left	► Same as Left key on keypad
7. Select	► Same as Select key on keypad
8. Info	► Displays input source information
9. Sleep Time	► Displays current sleep timer value by minute when no sleep timer OSD activated ► Setup minimum sleep timer value more than current sleep timer value when sleep timer OSD activated. ► If sleep timer is maximum value, disables sleep timer.
10. Mute	► Toggles speaker/headphone sound mute status..
11. Source	► Activates source change OSD when source change OSD is not activated. ► Deactivates source change OSD when source change OSD is activated
12. PSM(Picture Standard Mode)	► Displays picture standard when picture standard OSD is not activated. ► Changes picture standard when picture standard OSD is activated.
13. SSM(Sound Standard Mode)	► Displays sound standard when sound standard OSD is not activated. ► Changes sound standard when sound standard OSD is activated.
14. ARC	► Displays aspect ratio of image when aspect ratio OSD is not activated. ► Changes aspect ratio when aspect ratio OSD is activated.
15. STILL	► Toggles status between motion and still image.
16. PRE_CH	► Changes to last tuned program.
17. Dual I-II	► Displays MTS of sound format when MTS OSD is not activated. ► Changes sound format when MTS OSD is activated.
18. Pip	► Toggles PIP status
19. Pip Select	► Changes PIP input sources when PIP is on
20. Pip Size	► Changes PIP image size when PIP is on.
21. Pip Position	► Changes PIP position when PIP image size is not double screen.
22. Swap	► Swaps main input source and PIP input source.
23. S.Select	► Selects main / PIP sound source when PIP is on.
24. PC	► Changes to PC / DVI source

	► If current input source is PC, input source is changed to DVI.
25. TV	► If current input source is not TV, changes to TV input source.
26. 0~9	► Enters digit value to change program directly.
27. TTX ON	► If main input source is TV that includes TTX information, enters TTX display mode.
28. TTX MIX	► If TTX mode on, toggles TTX mix and TTX full display mode.
29. TTX RED/GREEN/ CYAN/YELLOW	► Sends TTX Red / Green / Cyan/ Yellow command.
30. TTX HOLD	► Holds current TTX page.
31. TTX REVEAL	► Reveals concealed information.
32. TTX LIST/FLOF	► Toggles LIST and FLOF mode
33. TTX Store	► Stores ROW24 page to non-volatile memory in LIST mode.
34. TTX Update	► Updates pages.
35. TTX Time	► Displays time/date information.
36. DTV Setup	► Enters Digital TV setup menu
37. GUIDE	► Activates digital TV program guide
38. TV/RADIO	► Switches TV/Radio channels in digital TV
39. FAV	► Enters favorite channels menu
40. PG UP/DOWN	► Executes page up/down at digital channel list menu
41. PIP CH Up/Down	► Increases/Decreases channel if pip video is TV or Digital TV

KEY CONTROL ON THE CASE

Key Operations

Key Name	Operation
Power Key	► Power on / off
Menu Key	► Activates main OSD when no main OSD activated ► Navigates parent menu when main OSD activated ► Stops auto frequency search
Select Key	► Activates source select OSD when no main menu activated. ► Changes input source that selected by source select navigation ► Executes function by OSD help commands when main OSD activated ► Activates child menu when child menu exists.
Up Key	► Increases program number & tune channel when no OSD activated. ► Navigates input source when source OSD activated ► Executes function by OSD help commands when main OSD activated ► Navigates previous menu when main OSD activated.
Down Key	► Decreases program number & tune channel when no OSD activated. ► Navigates input source when source OSD activated. ► Executes function by OSD help commands when main OSD activated ► Navigates next menu when main OSD activated.
Left Key	► Decreases speaker / headphone sound volume when no OSD activated. ► Executes function by OSD help commands when main OSD activated ► Decreases values of user menu when main OSD activated.
Right Key	► Increases speaker / headphone sound volume when no OSD activated. ► Executes function by OSD help commands when main OSD activated ► Increases values of user menu when main OSD activated.

Basic Operation

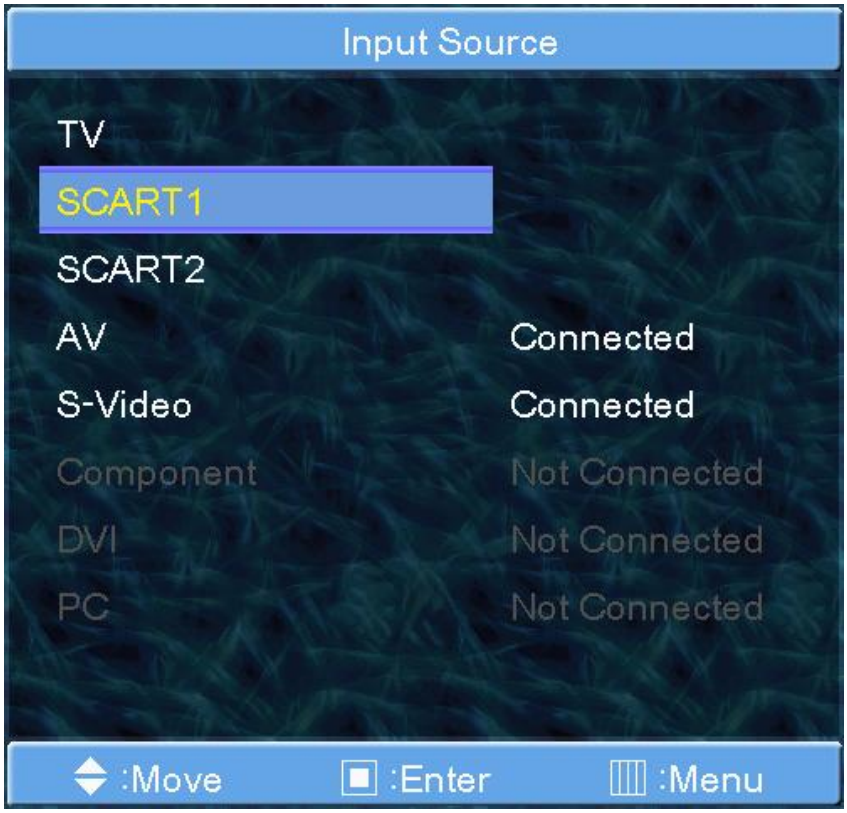
Turning PDP/LCD TV On And Off

Press **Power button** on the remote control. The PDP/LCD will turn on and you will be ready to use its features. You can also use the Power key on the front panel.

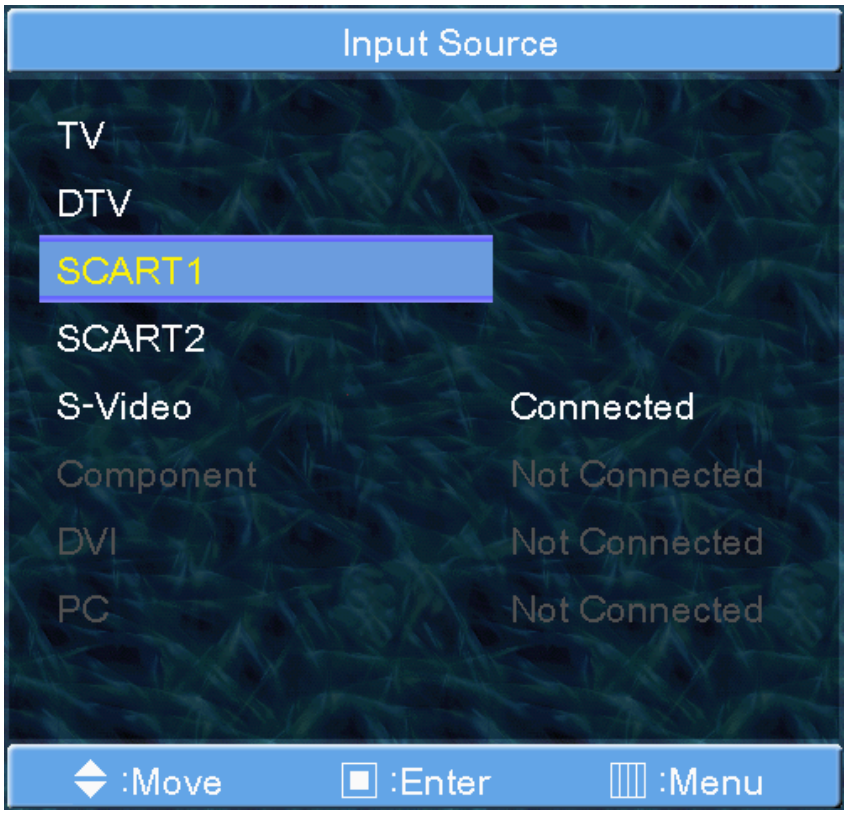
Select Source

Press **Source button** on the remote control. Then you can see the source list menu shown as below. Press **CH+ / CH-** button on the remote control to select the source.

You can select one between two sources, analog source and DTT source.

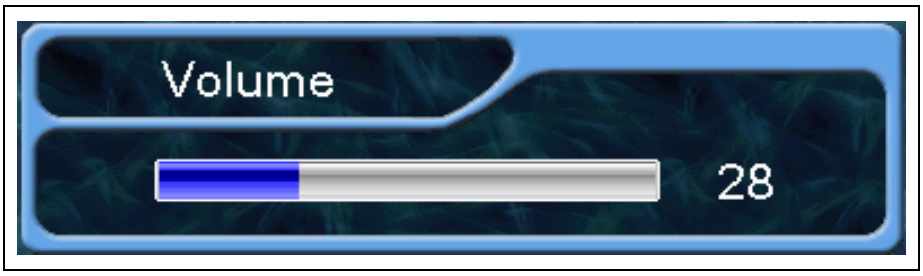


< Analog source list >



< DTT source list >

Volume Control



Press **VOL+ / VOL-** button on the remote control to adjust the volume level.

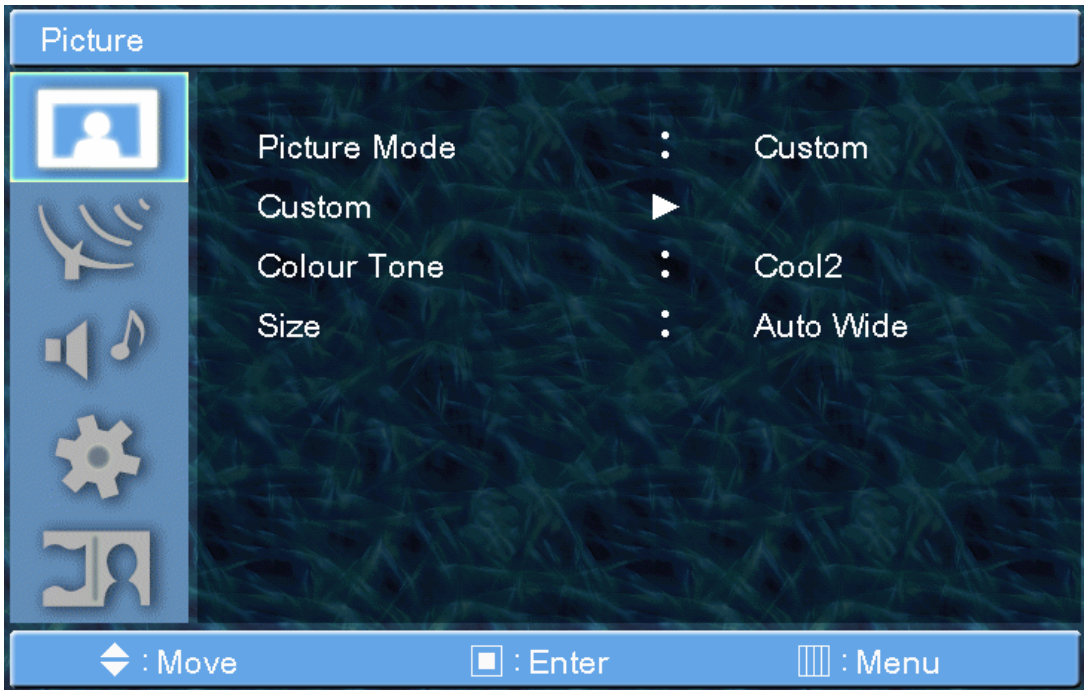
Press **MUTE** button on the remote control when you need to cut the sound temporarily.

OSD Menu Structure

▪ OSD (On Screen Display) allows users to control or adjust various features and settings in accordance with his/her preferences.

▪ Press the **MENU/ENTER** button on the remote control to see the main OSD menu.

Example of OSD Menu



1. Main Menu

Press the **MENU/ENTER** button on the remote control to enter the main OSD menu.

First, select Main menu item you need with **CH+ & CH-** button.

To select a main menu items, just press **VOL+** or **MENU/VIDEO** button on the Remote Control.

2. Sub Menu

Each menu item has its own sub menu items to set.

3. Sub Menu items

A : If there is no ▸ part, the item has an under menu.

You can enter the under menu and adjust an item you need.

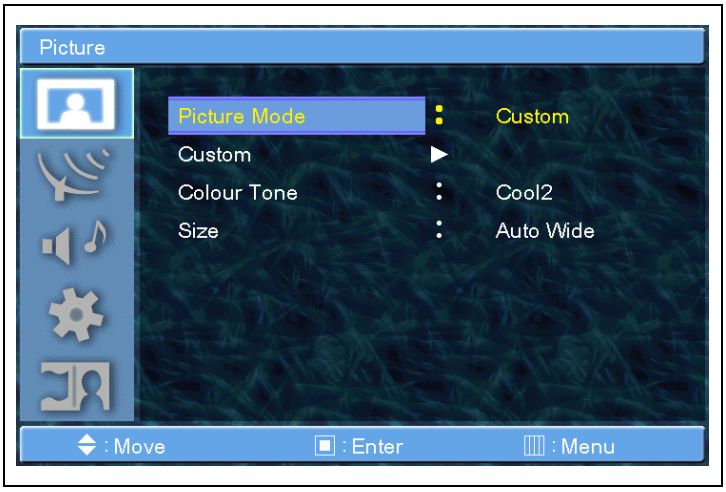
Select sub-menu item with CH+ / CH- button on the remote control

and press VOL+ or MENU/ENTER button to enter the submenu.

B: If there is a ▸ part, you can set the item by selecting ▸.

PICTURE

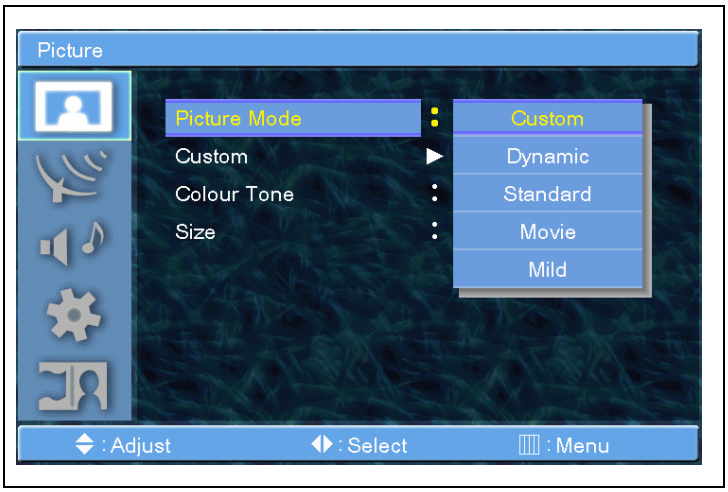
Picture Mode



1. Press **MENU/ENTER** button to display the main OSD menu.

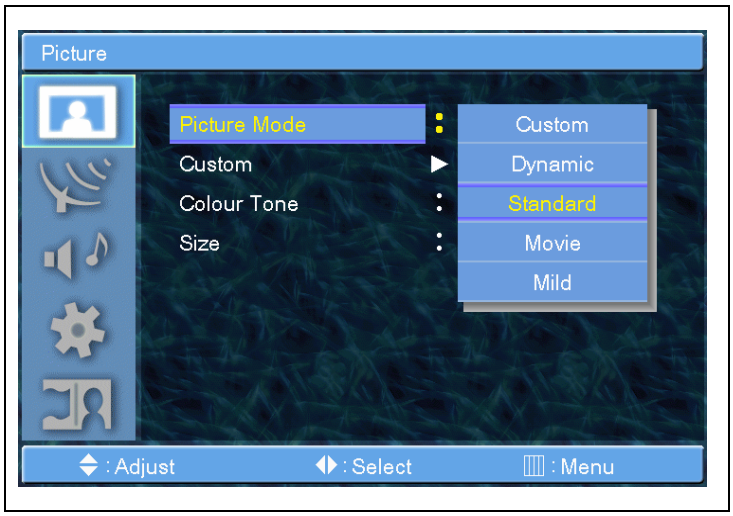
2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Picture mode and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.

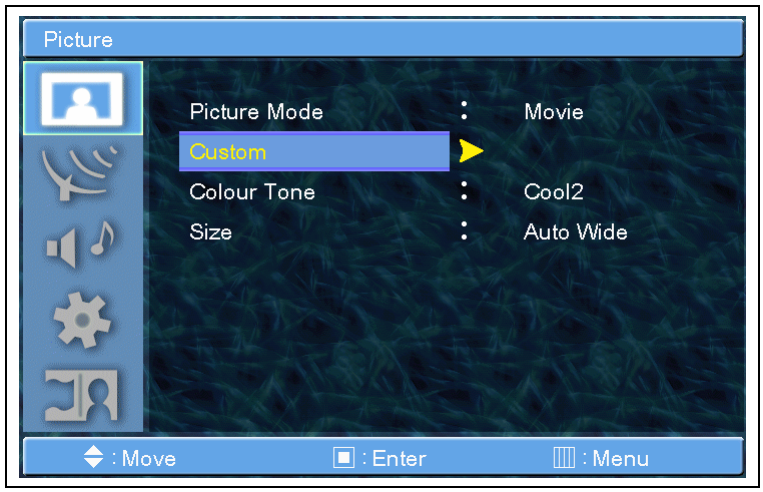
5. Select the Picture mode with **CH+/CH-** button and press **MENU/ENTER** button.



7. Press **Exit** button to return.

PICTURE

Custom



1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the picture main menu.

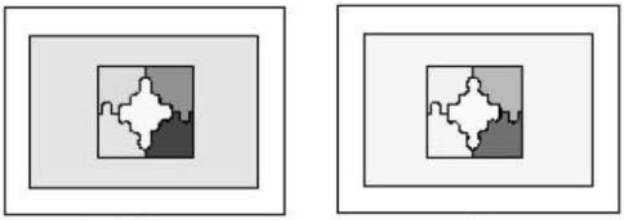
3. Press **MENU/ENTER** to enter the sub menu.

4. Select Custom and press **MENU/ENTER** button to enter the sub menu. Then the custom sub mode appears.

5. You will see the picture setting bars. Just Press BACK button on the remote control. You can adjust each values of the custom setting, but the changed values are stored as in Custom mode.

CONTRAST

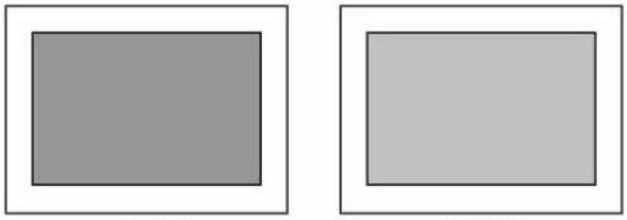
Adjust brightness difference between bright part of the screen and dark part.



Distinct ◀ ▶ Vague

BRIGHTNESS

Adjust brightness of the screen.



Dark ◀ ▶ Bright

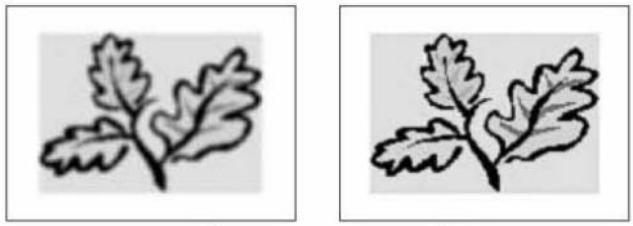
COLOR

Adjust deep and light color of the screen.

Decrease ◀ ▶ Increase

SHARPNESS

Adjust vividness of the screen.



Less sharp ◀ ▶ Sharp

PICTURE

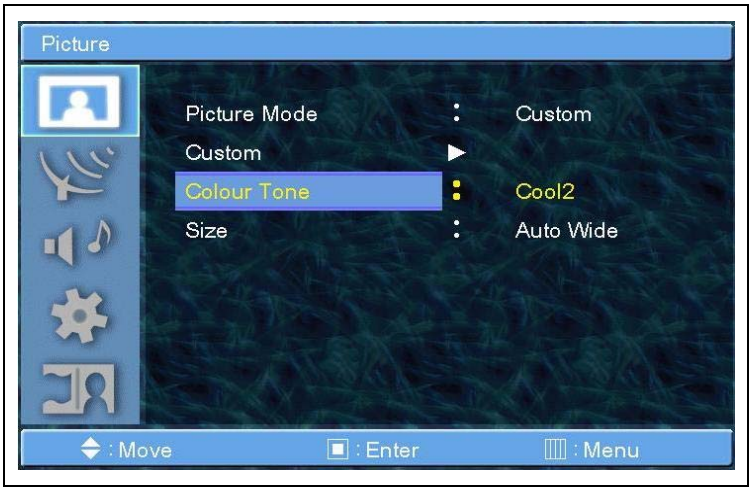
Color Tone

Your PDP/LCD has 5 screen temperatures (color settings).

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the picture main menu.

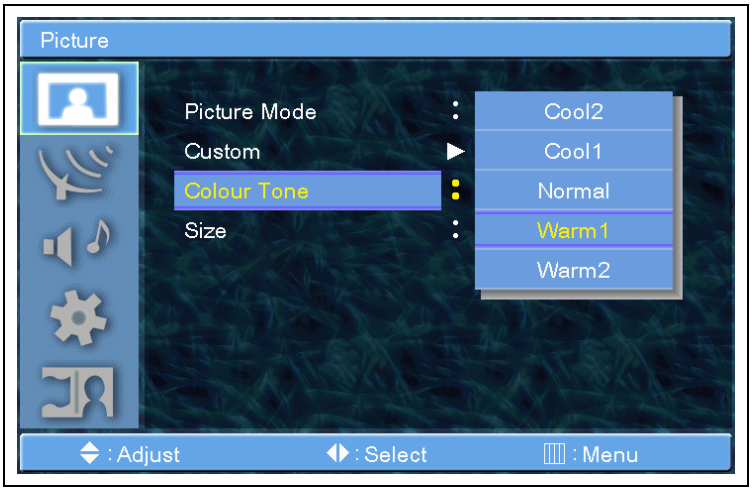
3. Press **MENU/ENTER** to enter the sub menu.



4. Select Colour Tone and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.

5. Select the Colour Tone with **CH+/CH-** button and press **MENU/ENTER** button.

7. Press **Exit** button to return.



- **WARM 1, 2**

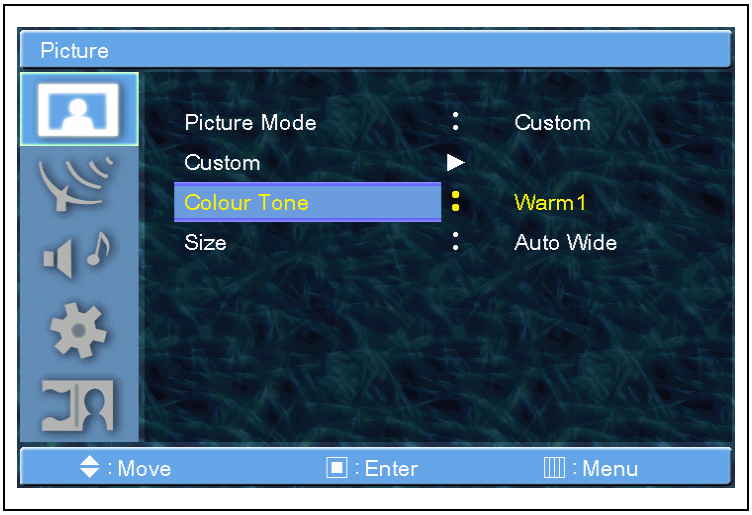
Screen seems warm: Strong Red.

- **Normal**

Normal: Factory default.

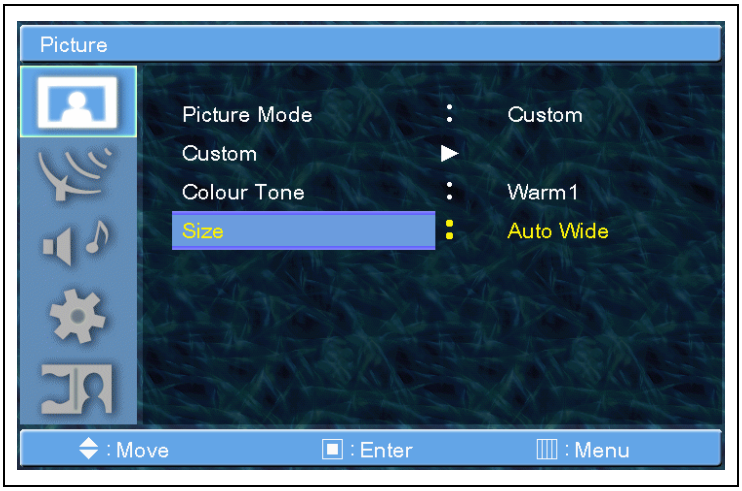
- **Cool 1, 2**

Screen seems cool: Strong Blue.



PICTURE

Size

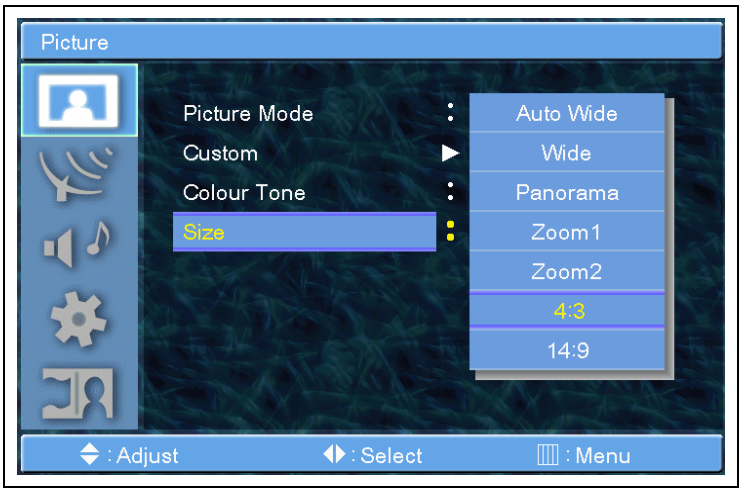


1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the picture main menu.

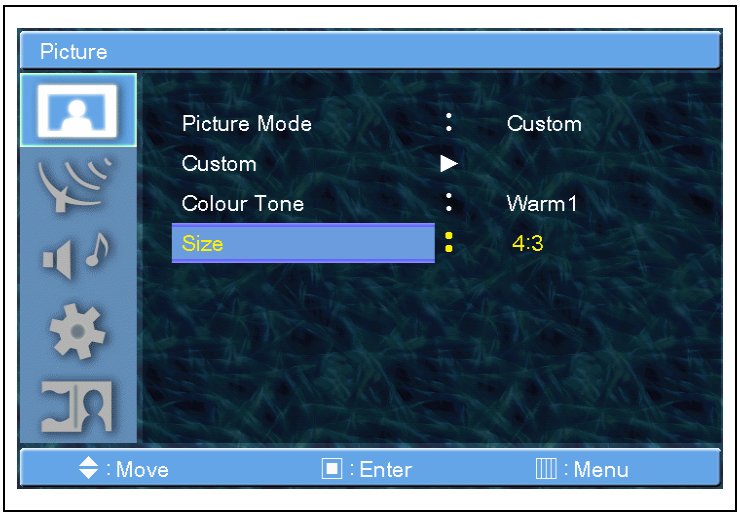
3. Press **MENU/ENTER** to enter the sub menu.

4. Select Size and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.



5. Select the Size with **CH+/CH-** button and press **MENU/ENTER** button.

7. Press **Exit** button to return.



TV CHANNEL

Country

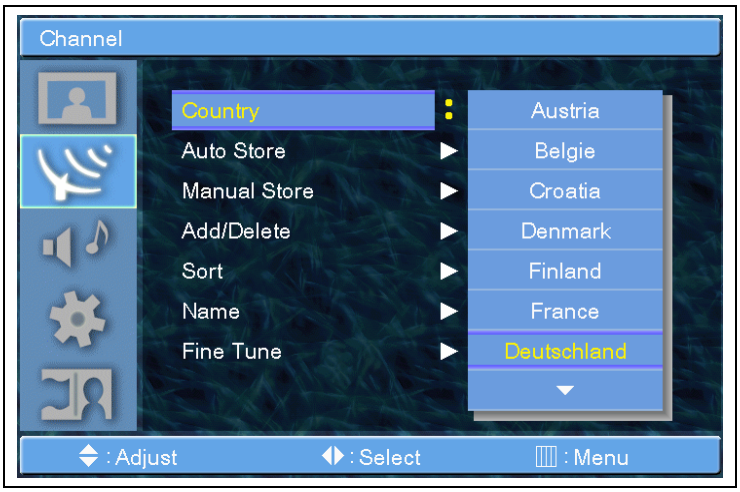
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Country and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.

5. Select the Size with **CH+/CH-** button and press **MENU/ENTER** button.



7. Press **Exit** button to return.

TV CHANNEL

Auto Store

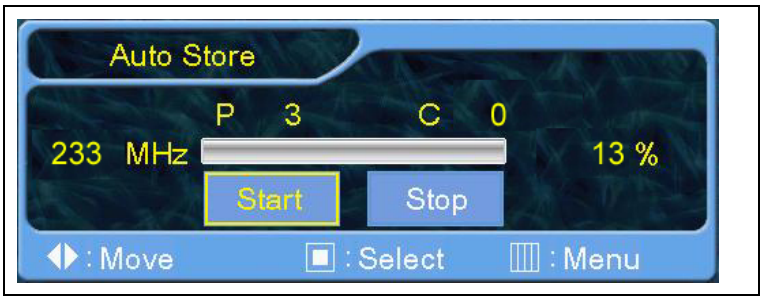
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

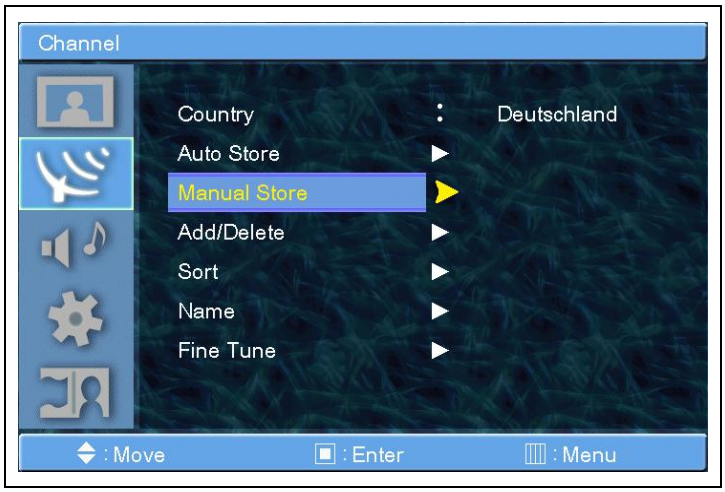
4. Select Auto Store with **VOL+/VOL-** button and press **MENU/ENTER** button.

5. Then you can see the tuning bar. PDP/LCD will execute auto program searching.
While searching channel after selecting **Start button** with VOL+/VOL-, you can also stop channel searching if you select **Stop button**.



TV CHANNEL

Manual Store

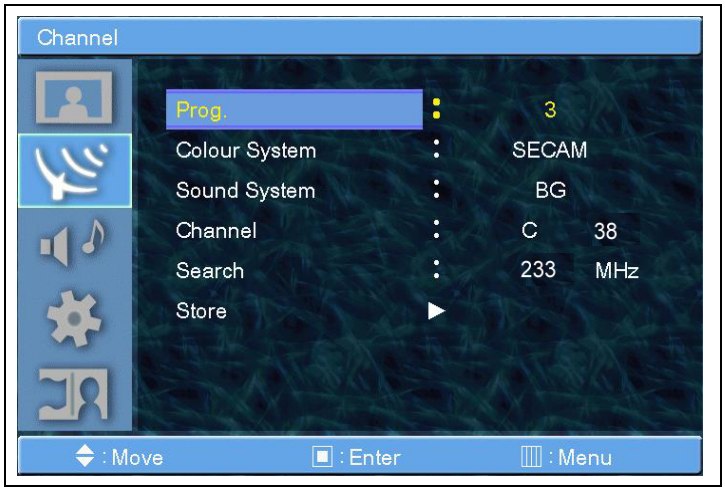


1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

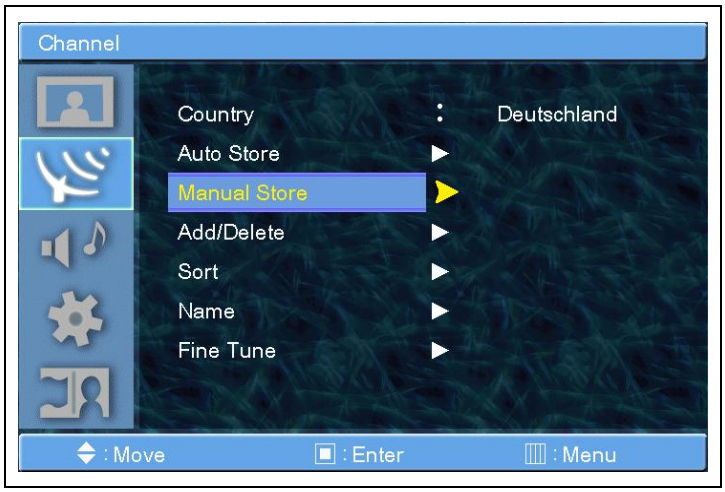
3. Press **MENU/ENTER** to enter the sub menu.

4. Select Manual Store and Press **MENU/ENTER** to enter the sub menu.



TV CHANNEL

Manual Store - Prog.

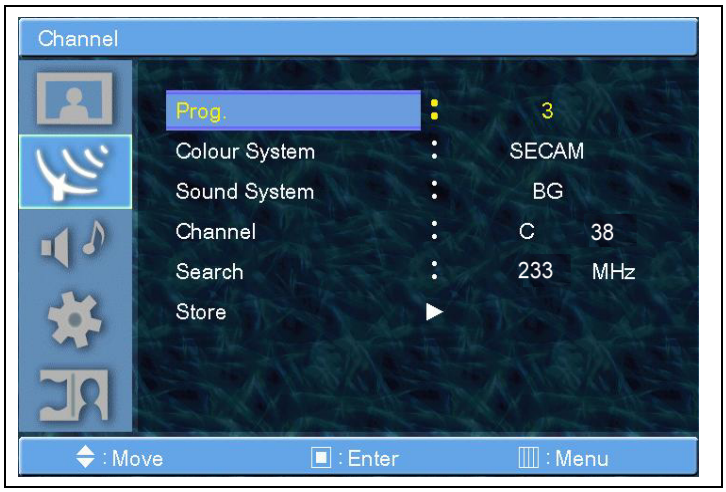


1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

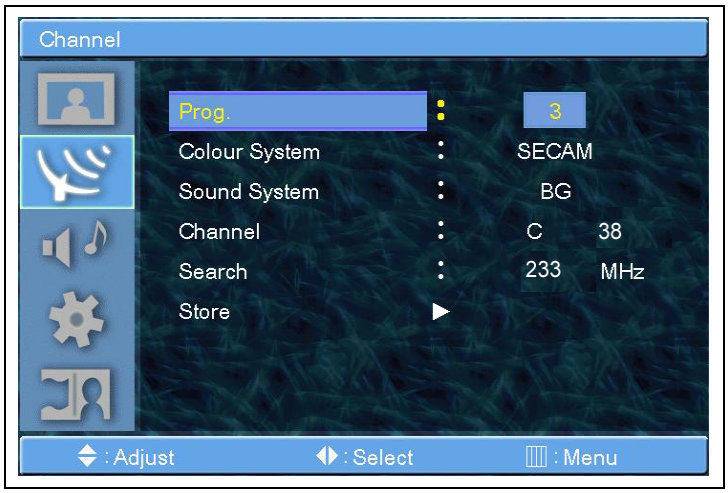
3. Select the Manual Store menu with **CH+/CH-** button on the remote control.

4. Select the Prog. menu with **CH+/CH-** button on the remote control.



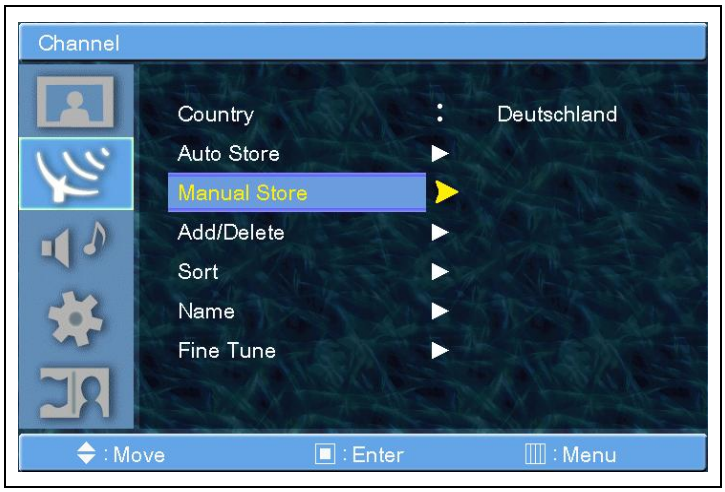
5. Press **MENU/ENTER** to enter the sub menu.

6. You will see the picture setting square. You can select the Prog using **CH+/CH-** button.



TV CHANNEL

Manual Store – Colour System



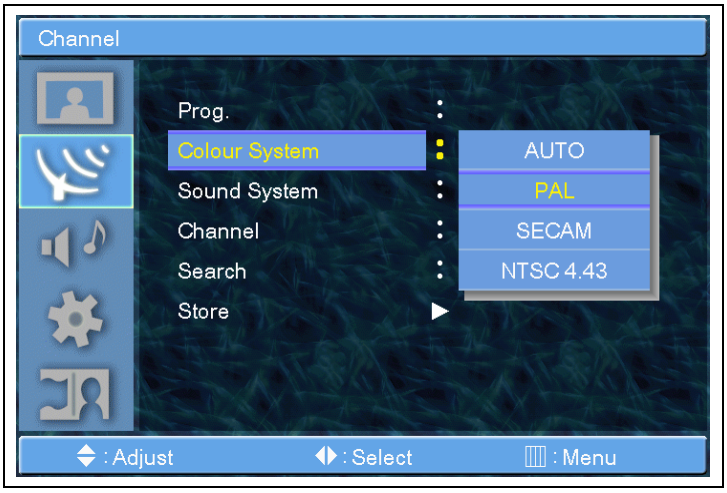
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Select the Manual Store menu with **CH+/CH-** button on the remote control.

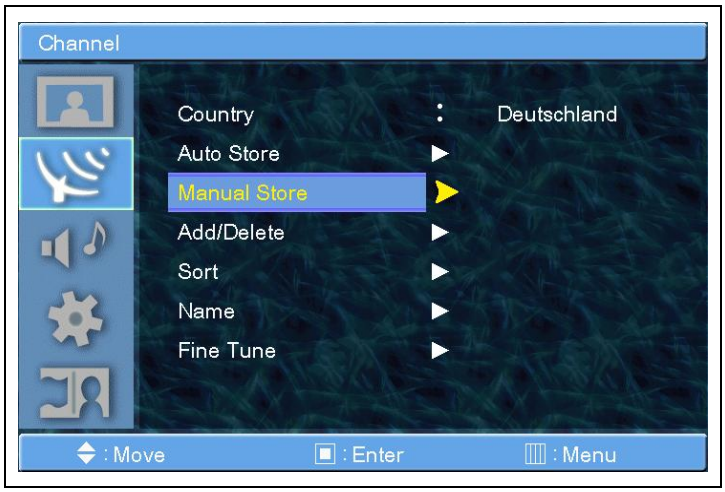
4. Select the Colour System menu with **CH+/CH-** button on the remote control. Then the picture popup window appears.

5. You can select the Colour System using **CH+/CH-** button.



TV CHANNEL

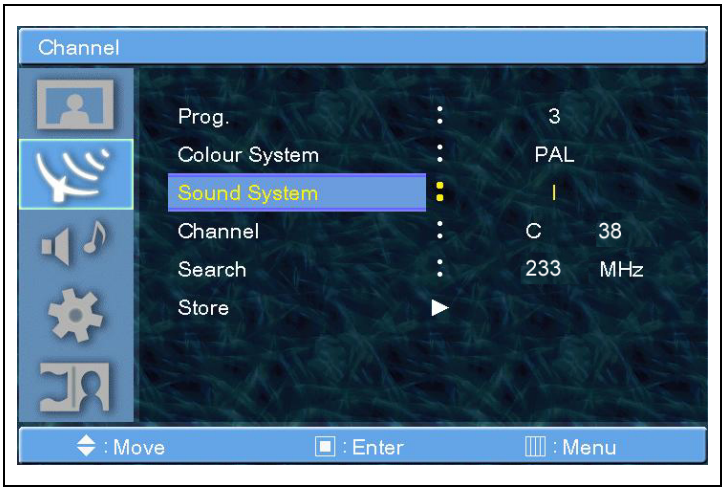
Manual Store - Sound System



1. Press **MENU/ENTER** button to display the main OSD menu.

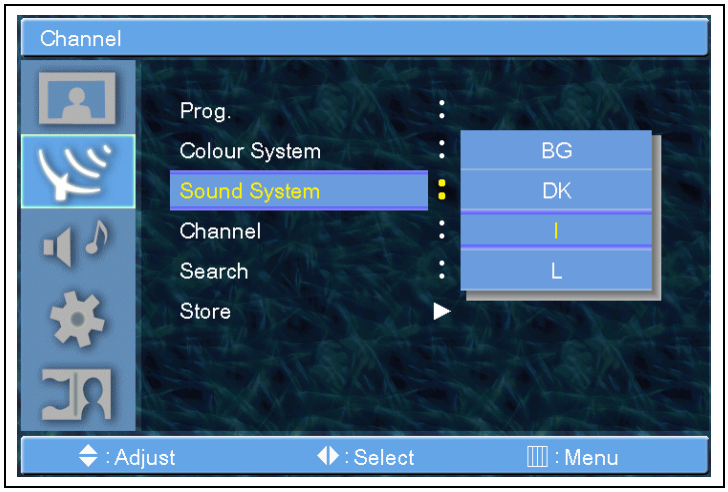
2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Select the Manual Store menu with **CH+/CH-** button on the remote control.



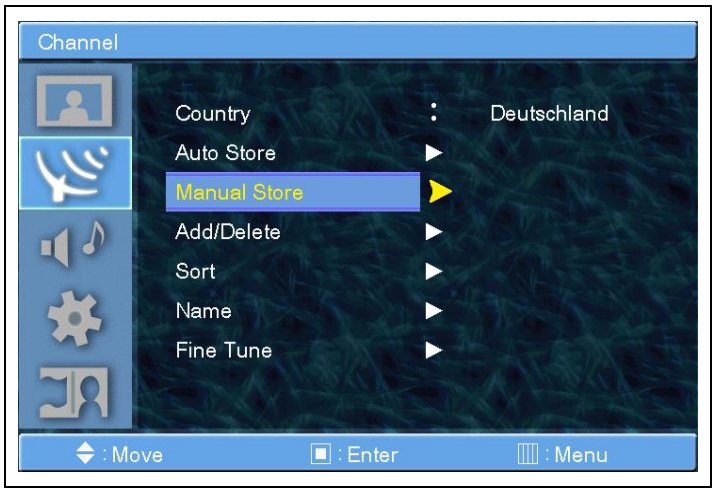
4. Select the Sound System menu with **CH+/CH-** button on the remote control. Then the picture popup window appears.

5. You can select the Sound System using **CH+/CH-** button.



TV CHANNEL

Manual Store - Channel



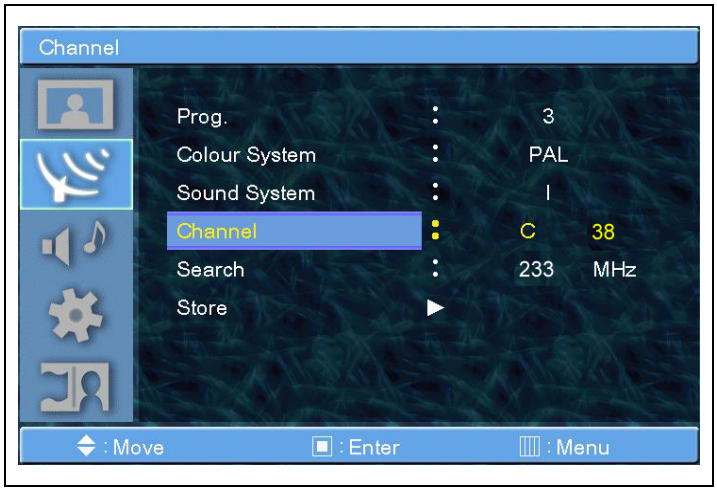
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

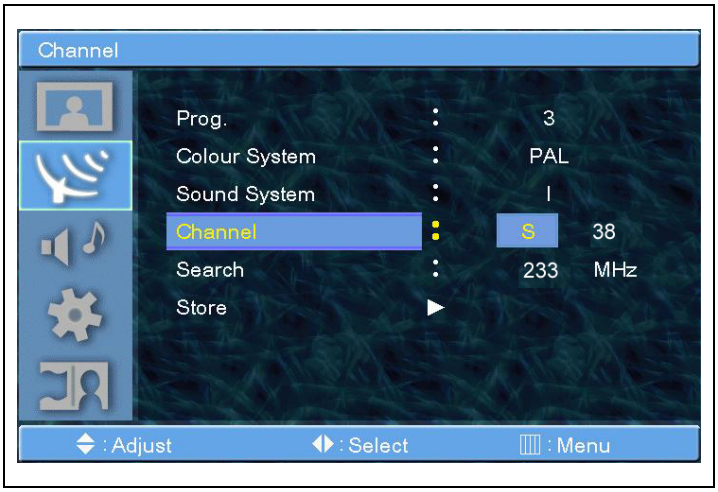
3. Select the Manual Store menu with **CH+/CH-** button on the remote control.

4. Select the channel menu with **CH+/CH-** button on the remote control.

5. Press **MENU/ENTER** to enter the sub menu.

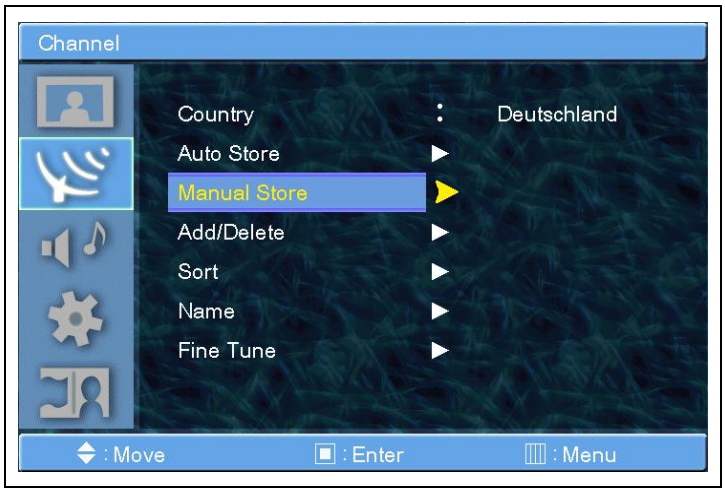


5. You can operate the Channel.



TV CHANNEL

Manual Store - Search



1. Press **MENU/ENTER** button to display the main OSD menu.

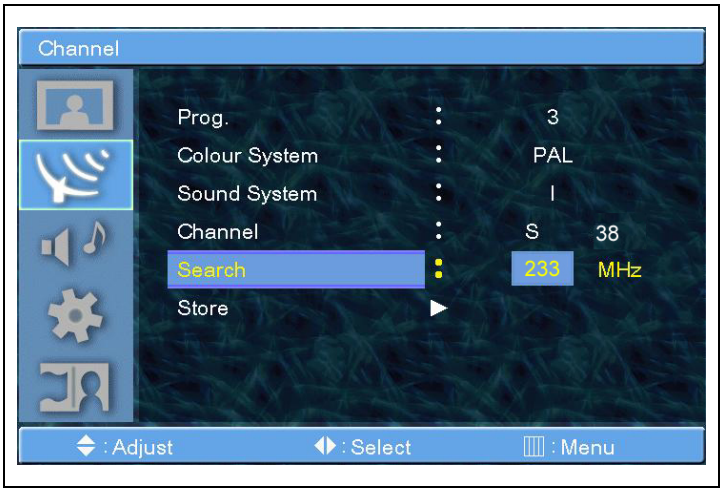
2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Select the Manual Store menu with **CH+/CH-** button on the remote control.

4. Select the Search menu with **CH+/CH-** button on the remote control.

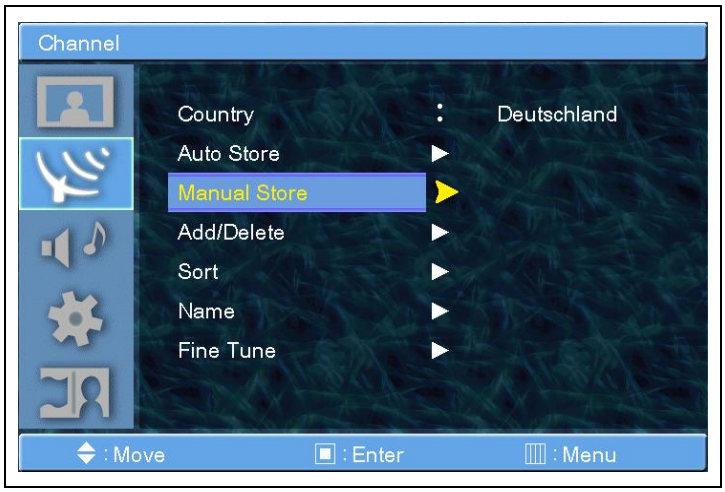
5. Press **MENU/ENTER** to enter the sub menu.

5. You can operate the Search.



TV CHANNEL

Manual Store - Store



1. Press **MENU/ENTER** button to display the main OSD menu.

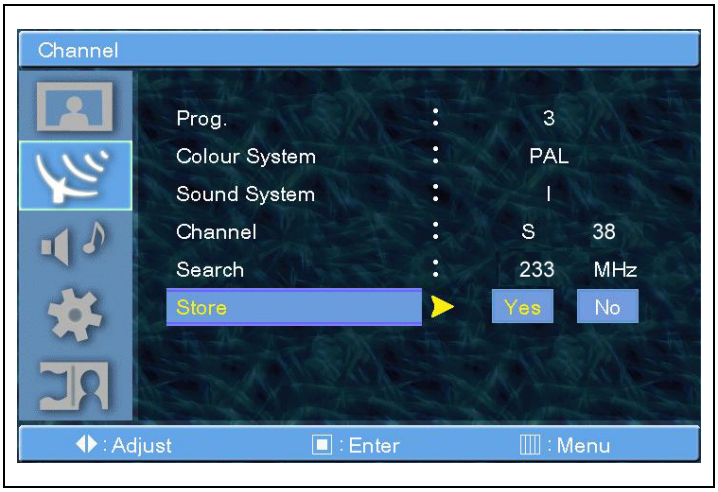
2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Select the Manual Store menu with **CH+/CH-** button on the remote control.

4. Select the Store menu with **CH+/CH-** button on the remote control.

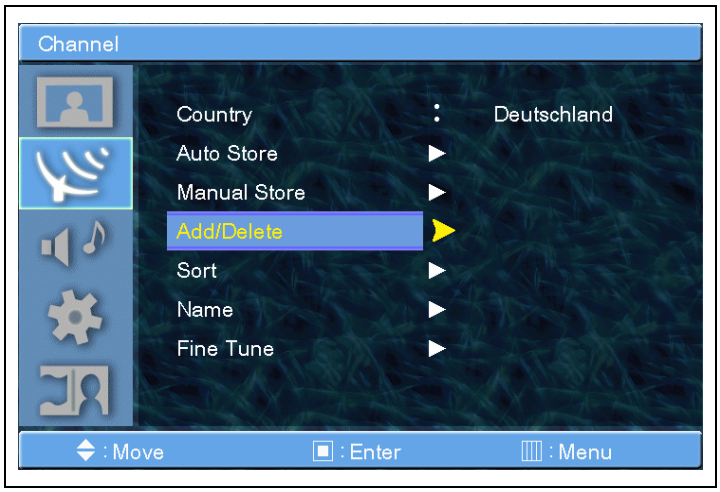
5. Press **MENU/ENTER** to enter the sub menu.

6. You will see the pictures composed with two squares. You can select **Yes / No** with **VOL+ or VOL-** button.



TV CHANNEL

Add/Delete



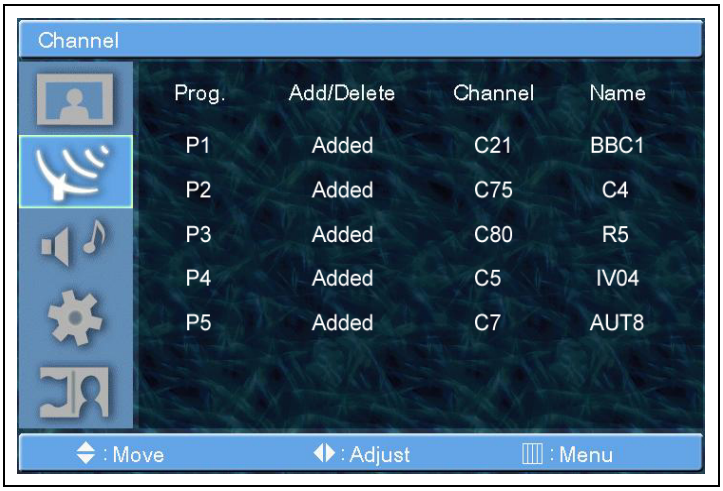
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Select the Add/Delete menu with **CH+/CH-** button on the remote control.

4. Press **MENU/ENTER** to enter the sub menu. Then you can see the favorite program list.

6. You can select a program with **CH+/CH-** button on the remote control.



▸ **TO EDIT THE LIST**

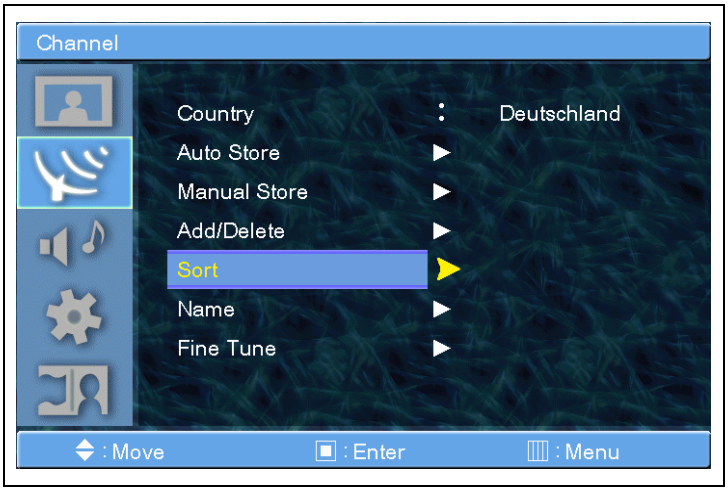
You can INSERT, ERASE, SKIP and REPLACE the programs in the list.

▸ **TO EDIT THE PROGRAM IN THE LIST**

If you want to edit a program, press **MENU/ENTER** button. Then you can select a field with VOL+/VOL- button. Press MENU/ENTER button on the field to edit. Adjust the field with CH+/CH- button. To return, press BACK button.

TV CHANNEL

Sort



1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Select the Sort menu with **CH+/CH-** button on the remote control.

4. Press **MENU/ENTER** to enter the sub menu. Then you can see the sort program list.

(**notice**: You can't see the sort program list on this picture since this picture isn't a real operating mode but a design mode.)

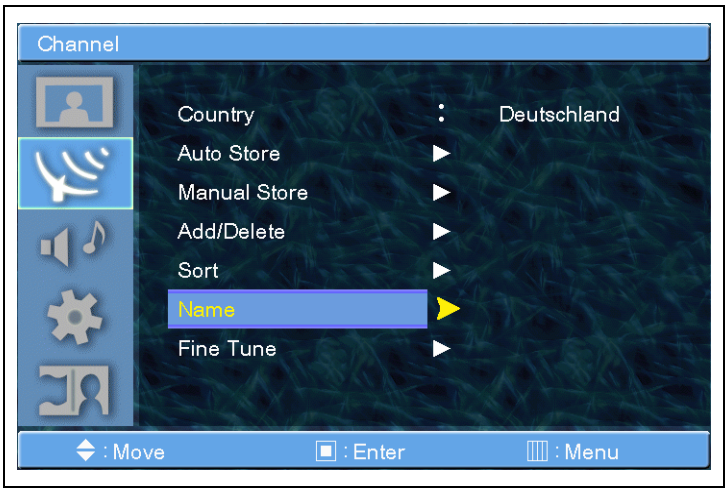
6. You can select a program with **CH+/CH-** button on the remote control.

▸ TO SORT THE PROGRAM IN THE LIST

If you want to sort a program, press **MENU/ENTER** button. Then you can select a field with VOL+/VOL- button. Press MENU/ENTER button on the field to sort. Adjust the field with CH+/CH- button. To return, press BACK button.

TV CHANNEL

Name



1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Select the Name menu with **CH+/CH-** button on the remote control.

4. Press **MENU/ENTER** to enter the sub menu. Then you can see the sort program list.

6. You can change a program **Name** if you want to change the name of the program.

▸ **TO CHANGE THE PROGRAM NAME IN THE LIST**

If you want to change a program **Name**, press **MENU/ENTER** button. Then you can select a field with VOL+/VOL- button. Press MENU/ENTER button on the field to sort. Adjust the field with CH+/CH- button. To return, press BACK button.

TV CHANNEL

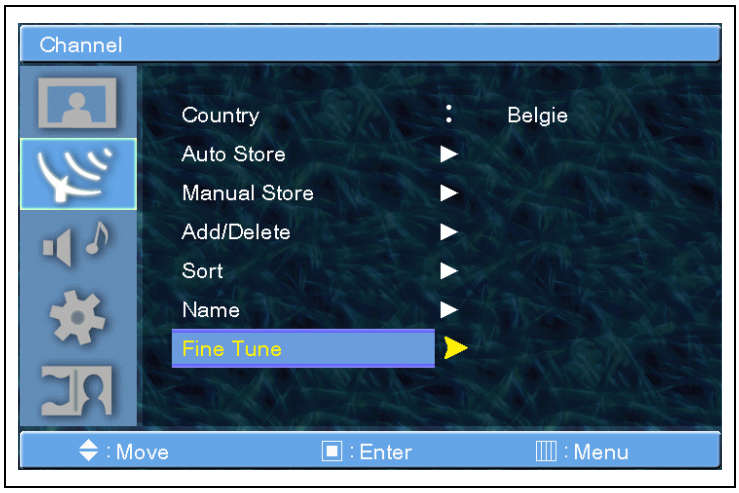
Fine Tune

The Fine Tuning function lets you manually adjust the PDP's tuner if you are difficult tuning analog Channels.

1. Press **MENU/ENTER** button to display the main OSD menu.

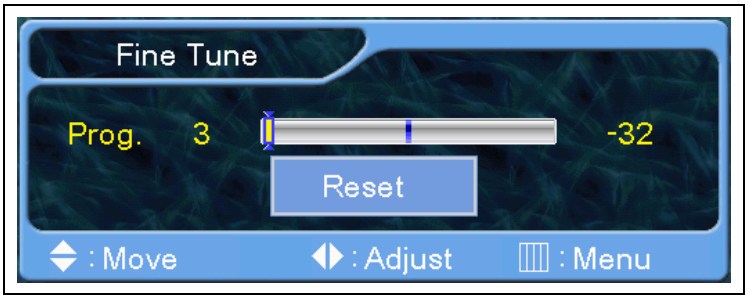
2. Select the Channel main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Fine Tune with **CH+/CH-** button and press **MENU/ENTER** button. Then you can see the adjust bar.

5. Adjust the fine tune with **VOL+** or **VOL-** button.



TV SOUND

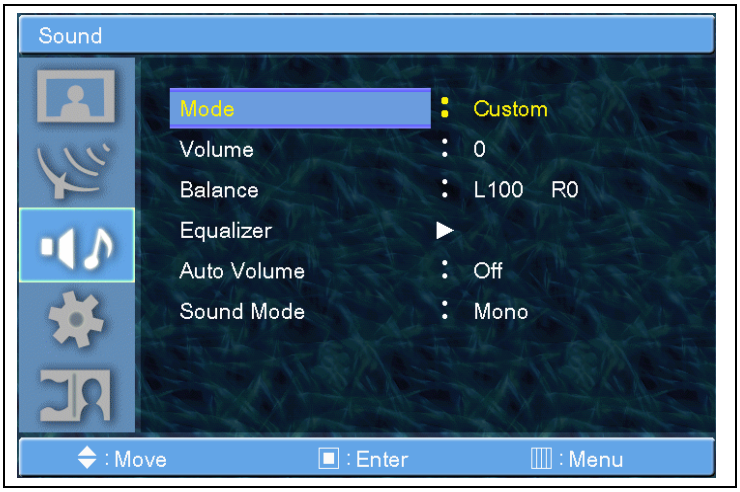
Mode

Your PDP/LCD has four automatic sound settings (“Standard”, “Music”,“Movie”,”Speech”)that are preset at the factory. You can active either Standard, Movie, Music or News by pressing “SSM” button on the remote control(or by making a selection from the menu) or you can select “Custom” which automatically recalls your personalized sound settings.

1. Press **MENU/ENTER** button to display the main OSD menu.

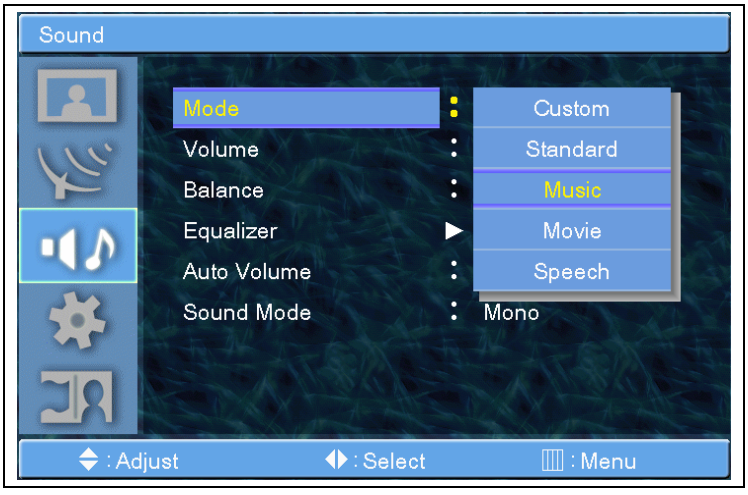
2. Select the Sound main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



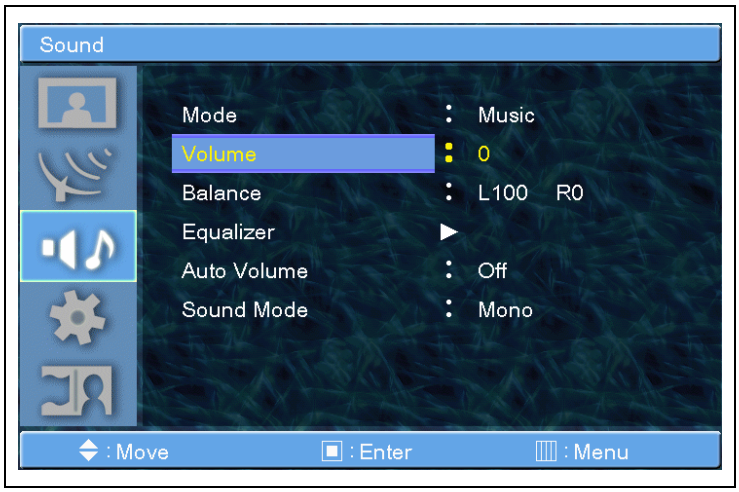
4. Select Mode and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.

5. Select the Mode with **CH+/CH-** button and press **MENU/ENTER** button.



TV SOUND

Volume



1. Press **MENU/ENTER** button to display the main OSD menu.

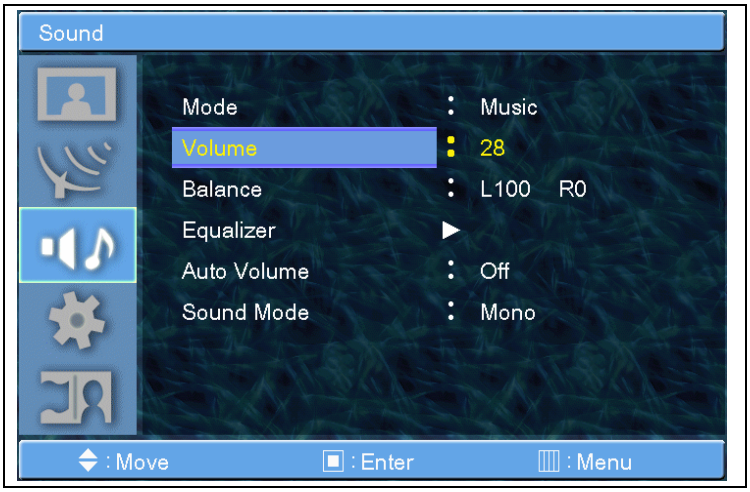
2. Select the Sound main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Volume and press **MENU/ENTER** button to enter the sub menu. Then you can see the Volume bar.

5. Adjust the Volume with **VOL+** or **VOL-** button.

Then press **MENU/ENTER** button.



TV SOUND

Balance

This control allows you to adjust the balance of the left and right apeaker output.

1. Press **MENU/ENTER** button to display the main OSD menu.

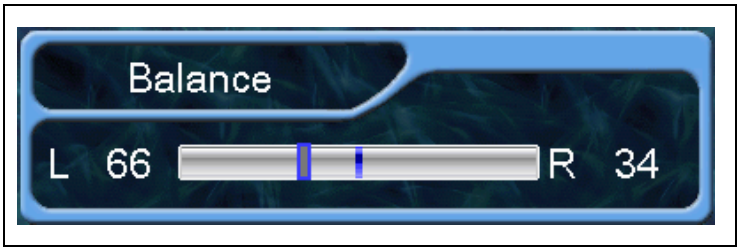
2. Select the Sound main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Balance and press **MENU/ENTER** button to enter the sub menu. Then you can see the Balance bar.

5. Adjust the Balance with **VOL+** or **VOL-** button.

Then press **MENU/ENTER** button.



TV SOUND

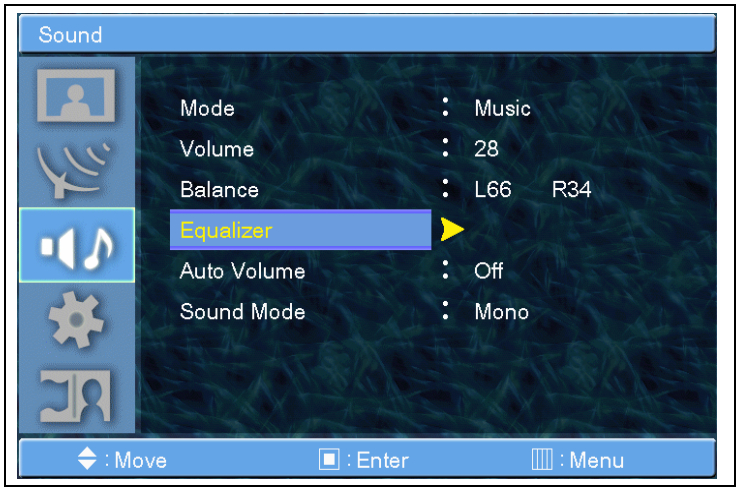
Equalizer

You can use the OSD menu to change the Treble, Bass and Balance according to your preference.

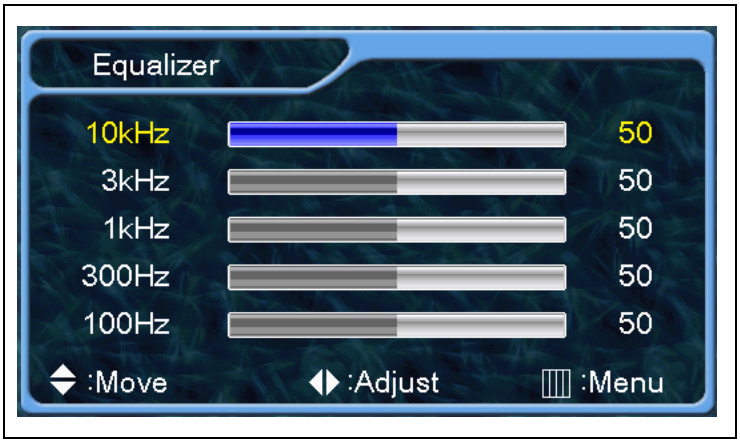
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Sound main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

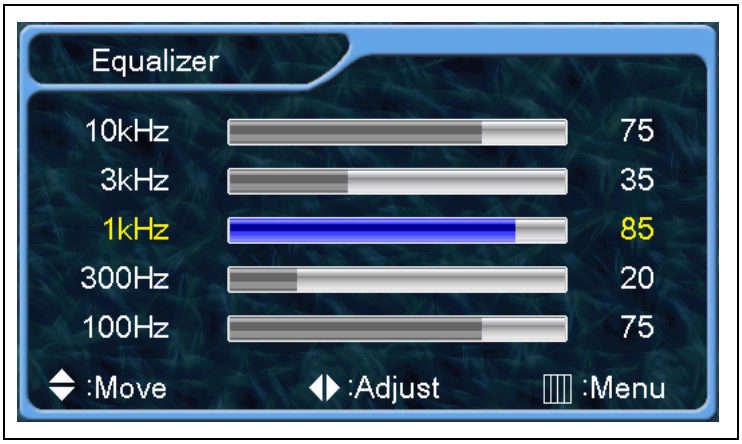


4. Select Equalizer and press **MENU/ENTER** button to enter the sub menu. Then you will see the Equalizer menu bars.



5. Select a gain bar with **VOL+, VOL-** button on the remote control and adjust it with **CH+/CH-** button.

6. Press **EXIT** button on the remote control to exit equalizer. The result will be saved automatically.



TV SOUND

Auto Volume

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Sound main menu with **CH+/CH-** button on the remote control.

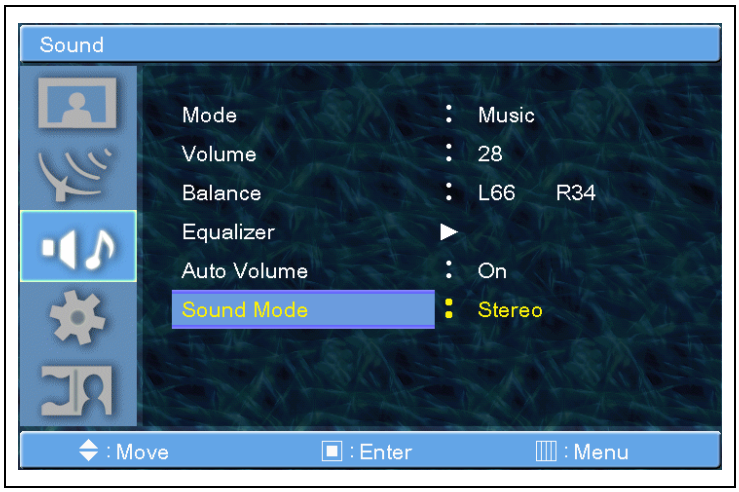
3. Press **MENU/ENTER** to enter the sub menu.

4. Select Auto Volume and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. You can select **Yes / No** with **CH+ or CH-** button and press **MENU/ENTER** button.

TV SOUND

Sound Mode

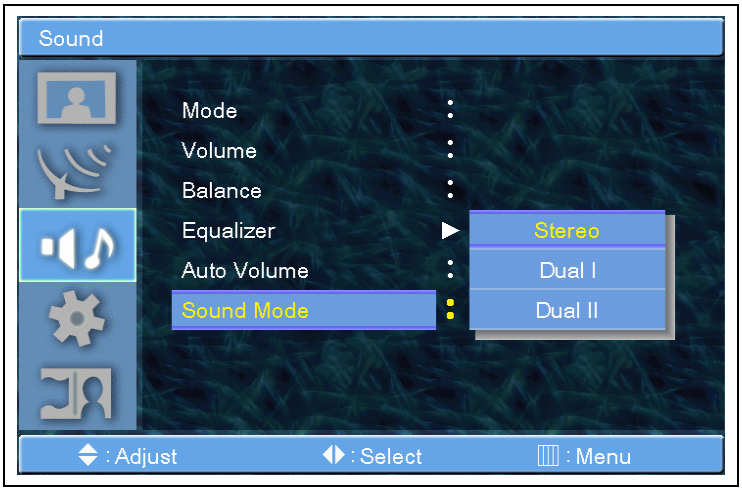


1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Sound main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Sound mode and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.



5. Select the Sound Mode with **CH+/CH-** button and press **MENU/ENTER** button.

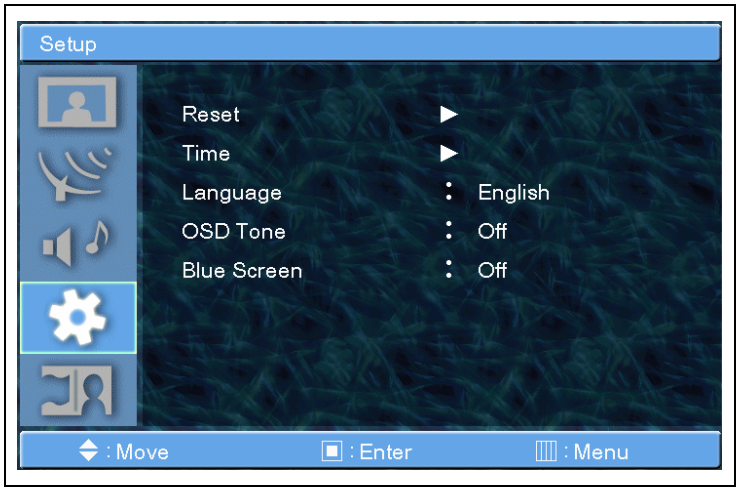
SETUP

Reset

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Setup main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Reset and press **MENU/ENTER** button to enter the sub menu.

5. If you want to reset your TV, press **MENU/ENTER** button. Then the system will reset.

SETUP

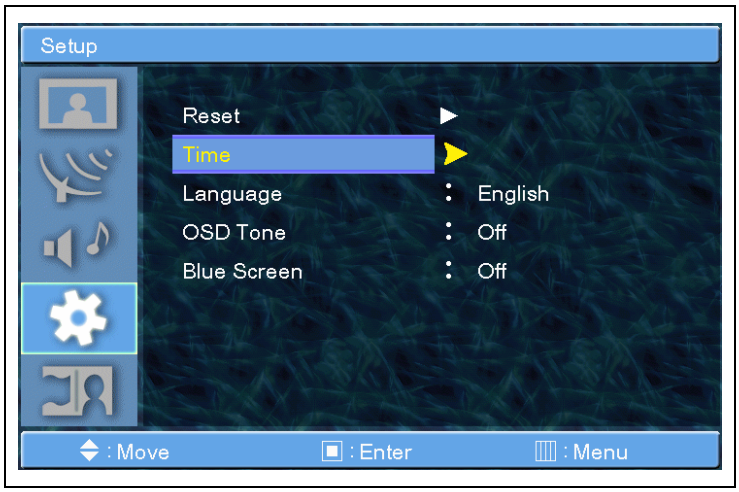
Time - Clock

Set the current time.

1. Press **MENU/ENTER** button to display the main OSD menu.

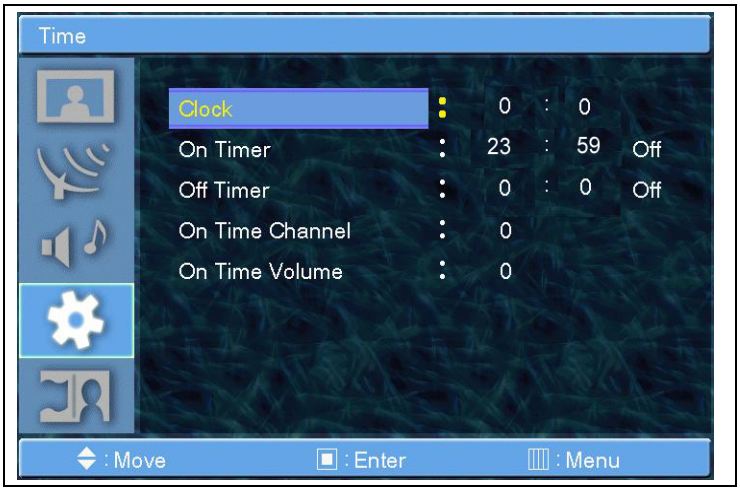
2. Select the Setup main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

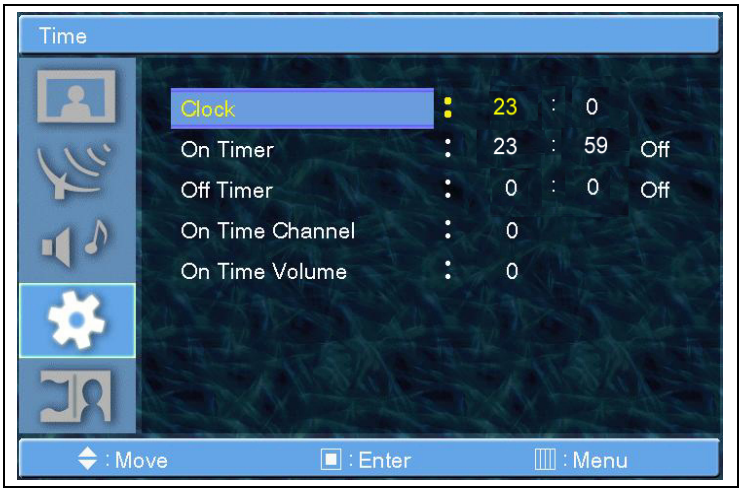


4. Select Time and press **MENU/ENTER** button to enter the sub menu. Then you will see the time menu.

5. Select Clock by pressing **VOL+** button.



6. Move the cursor by pressing **VOL-**, **VOL+** button and adjust time by **CH+** and **CH-** button.



SETUP

Time - On Timer

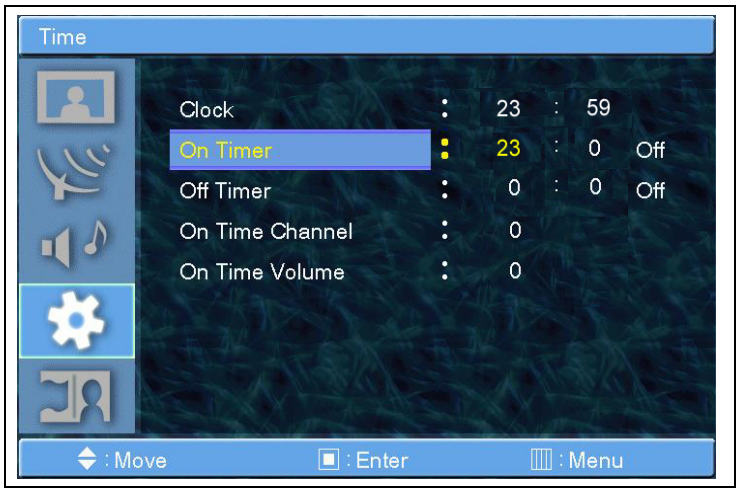
This PDP/LCD can be set to turn on automatically at specific time that you chose.

Before using timer, you must set the PDP/LCD's Time as described previously.

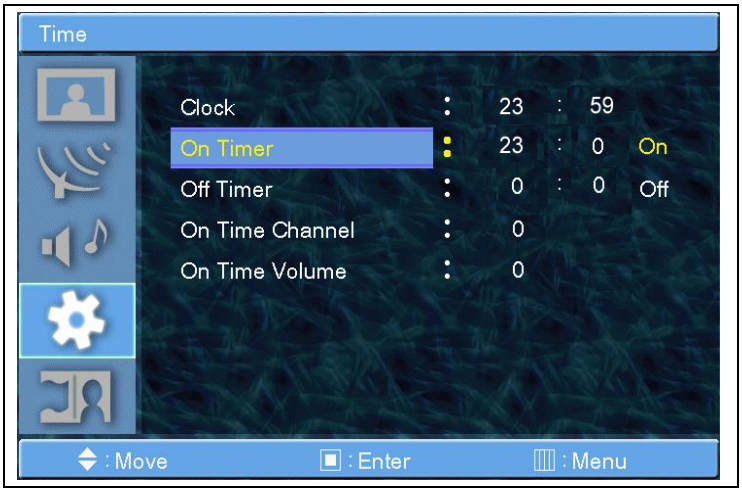
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the TIME main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Move the cursor by pressing **VOL-**, **VOL+** button and adjust on time by **CH+** and **CH-** button. (**Notice**: You can't see the real time on this picture since this picture isn't a real operating mode but a design mode. In a real mode, you can see the real clock time.)



SETUP

Time - Off Timer

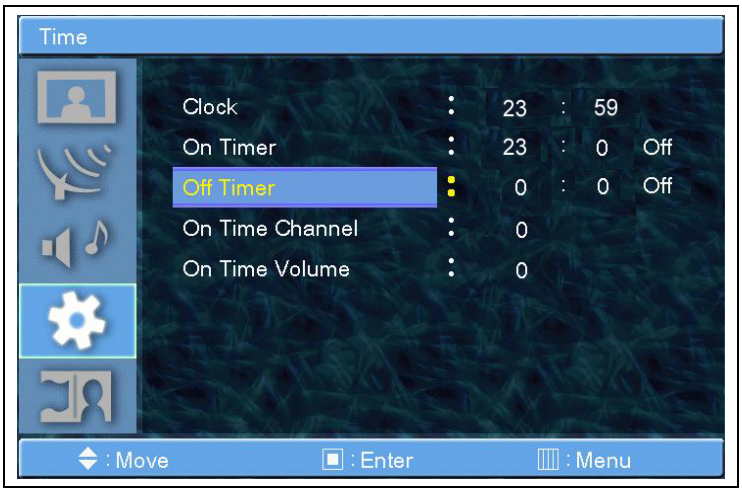
This PDP/LCD can be set to turn off automatically at specific time that you chose.

Before using timer, you must set the PDP/LCD's Time as described previously.

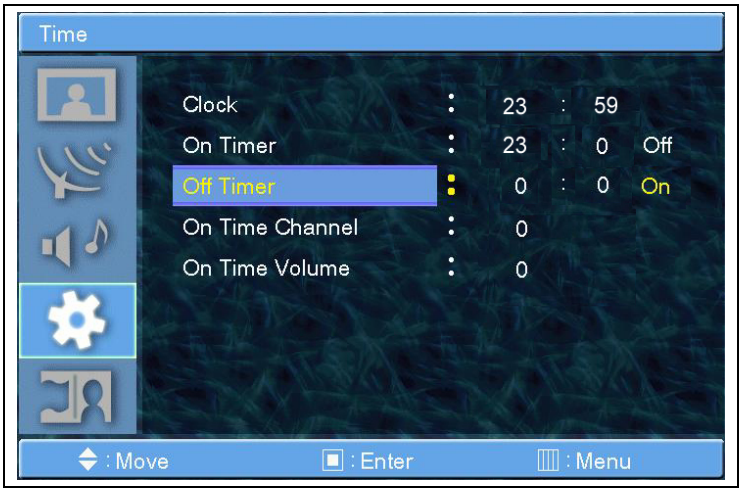
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the TIME main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Move the cursor by pressing **VOL-**, **VOL+** button and adjust off time by **CH+** and **CH-** button. (**Notice**: You can't see the real time on this picture since this picture isn't a real operating mode but a design mode. In a real mode, you can see the real clock time.)



SETUP

Time - On Time Channel

Set the channel when PDP/LCD power turns on automatically.

- Available only when the Time is set and On Time is ON.

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the TIME main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select On Time Channel.

5. Adjust the channel with **VOL-**, **VOL+** button.

Press **EXIT** button to return7.

SETUP

Time - On Time Volume

Set the sound volume level when PDP/LCD power on automatically.

- Available only when the Time is set and On Time is ON.

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the TIME main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select On Time Volume.

5. Adjust the sound volume level with **VOL-**, **VOL+** button.

Press **EXIT** button to return.

SETUP

Language

Set the language to use in OSD.

Supported languages are English, French, German, Italian, Spanish, Portuguese, Netherlandish.

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Setup main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Language and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. Select the language with **CH+/CH-** button and press **MENU/ENTER** button.

SETUP

OSD Tone

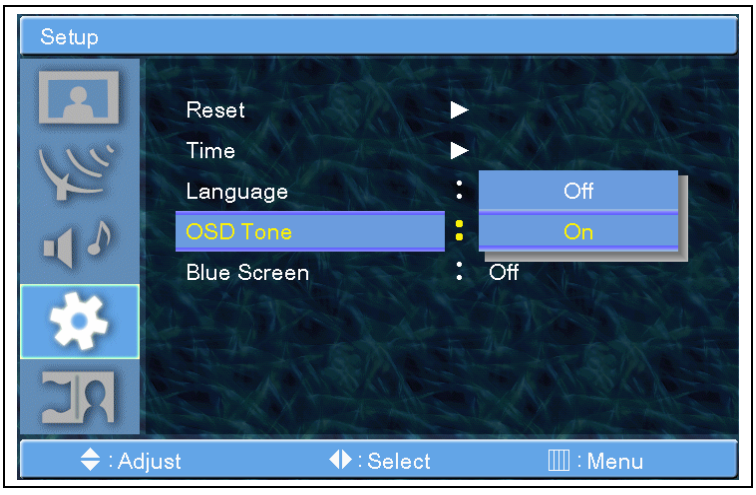
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Setup main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select OSD Tone and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. Select the **On/Off** with **CH+/CH-** button and press **MENU/ENTER** button.



SETUP

Blue Screen

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the Setup main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Blue Screen and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. Select the **On/Off** with **CH+/CH-** button and press **MENU/ENTER** button.

PIP

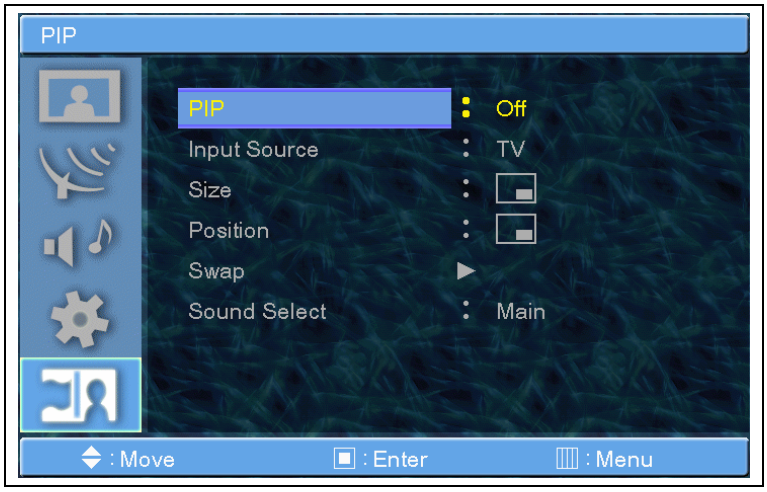
PIP (Picture In Picture)

You can watch two programs or sources at the same time. And set up PIP size and position.

1. Press **MENU/ENTER** button to display the main OSD menu.

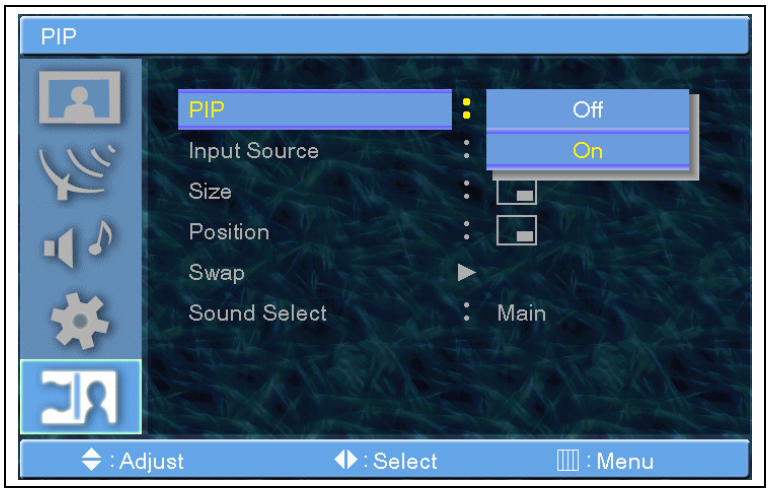
2. Select the PIP main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select PIP and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. Select the **On/Off** with **CH+/CH-** button and press **MENU/ENTER** button.



PIP

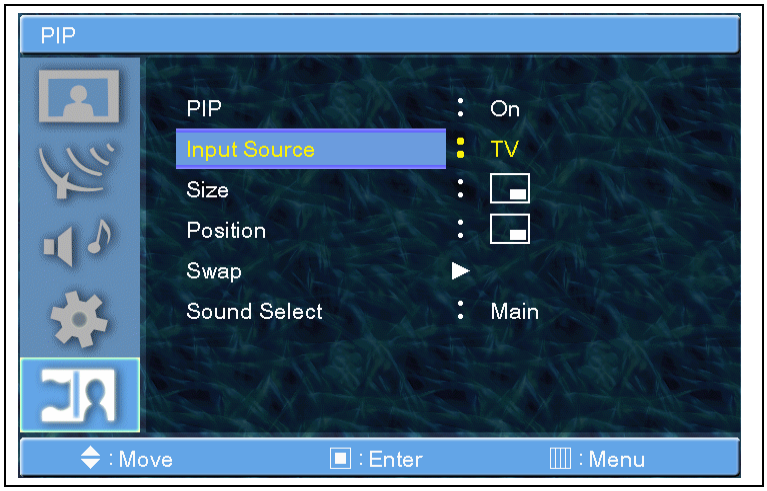
Input Source

You can watch two programs or sources at the same time. And set up PIP size and position.

1. Press **MENU/ENTER** button to display the main OSD menu.

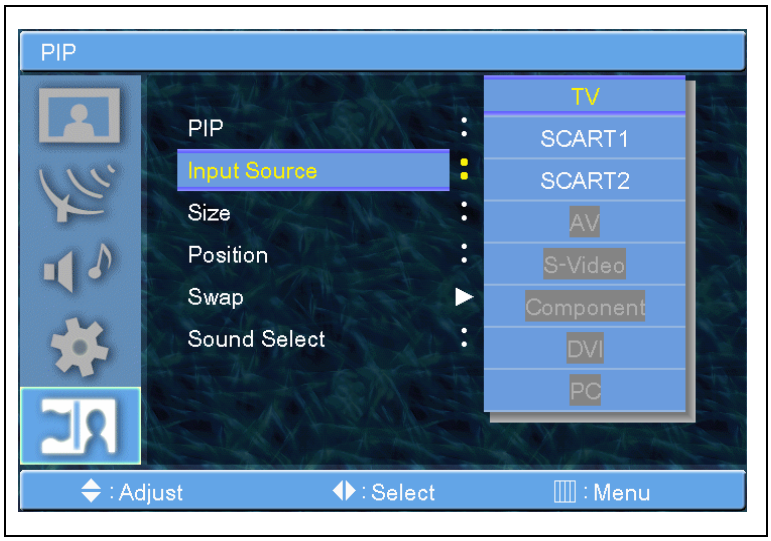
2. Select the PIP main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Input Source and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. Select the Input Source with **CH+/CH-** button and press **MENU/ENTER** button.



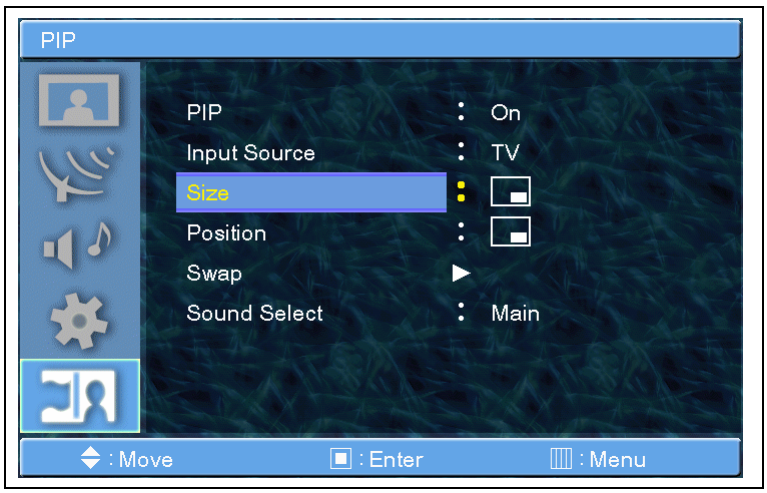
PIP

Size

1. Press **MENU/ENTER** button to display the main OSD menu.

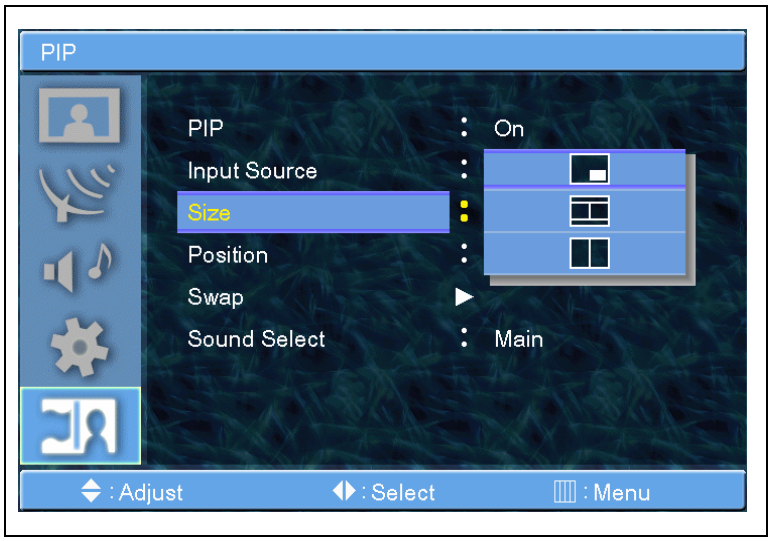
2. Select the PIP main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Size and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. Select the Pip Size with **CH+/CH-** button and press **MENU/ENTER** button.



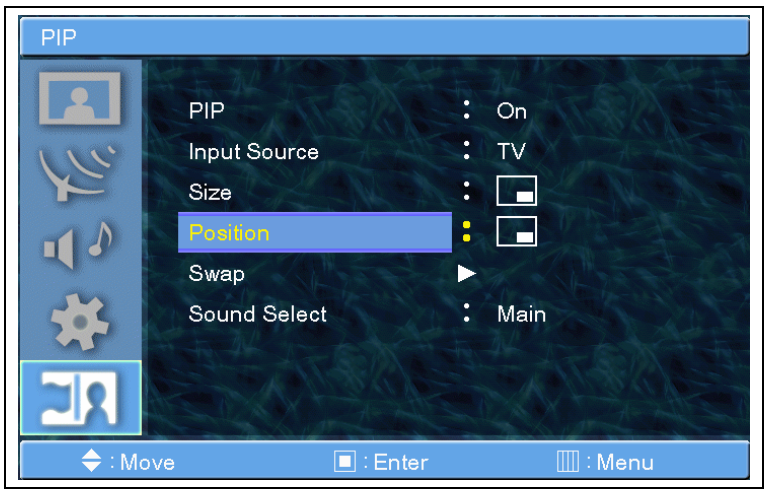
PIP

Position

1. Press **MENU/ENTER** button to display the main OSD menu.

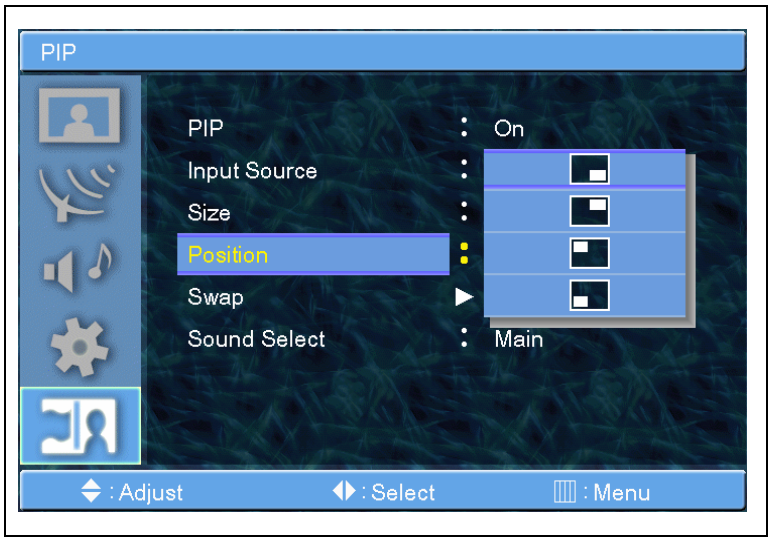
2. Select the PIP main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Position and press **MENU/ENTER** button to enter the sub menu. Then you will see the popup menu.

5. Select the Pip Position with **CH+/CH-** button and press **MENU/ENTER** button.



PIP

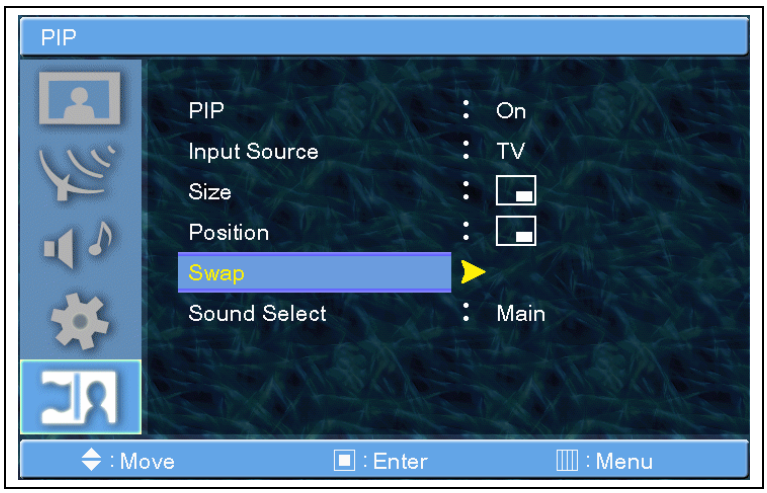
Swap

Using swap fuction, you can exchange two programs or sources at the same time.

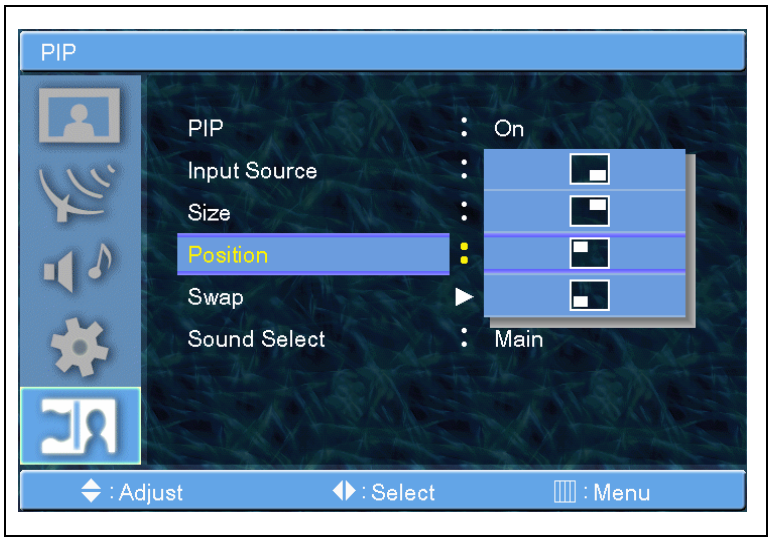
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the PIP main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Swap and press **MENU/ENTER** button to swap two programs or sources that you want.



PIP

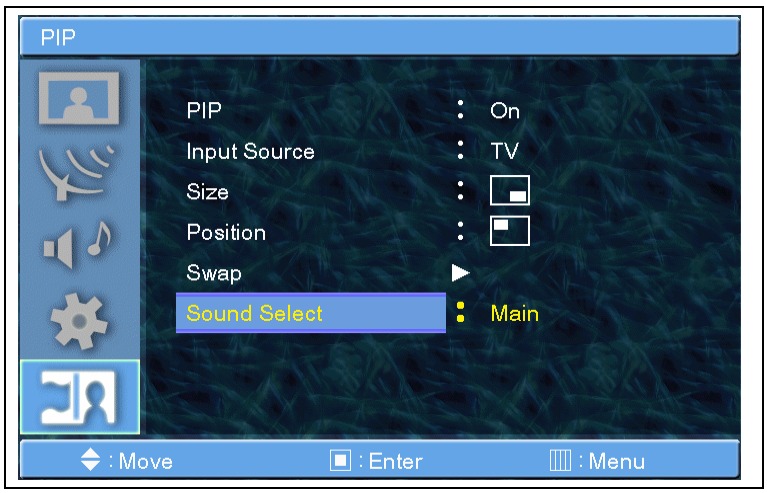
Sound Select

Using Sound Select fuction, you can exchange the sound of two programs or sources at the same time.

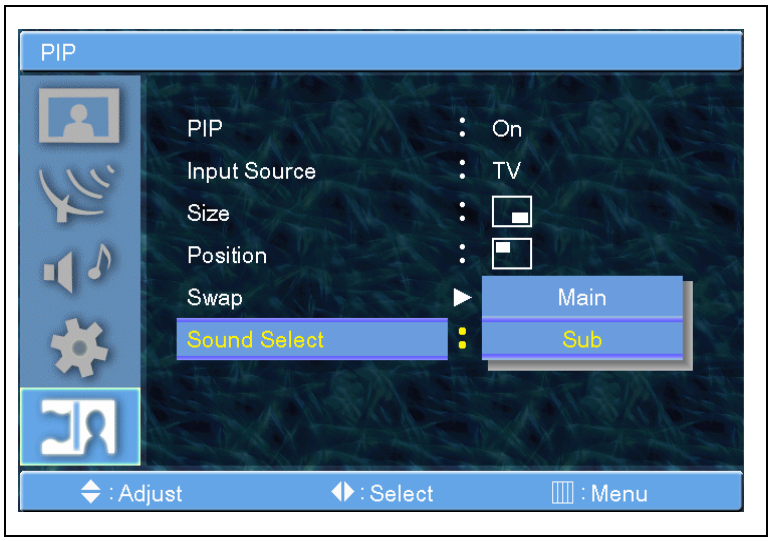
1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the PIP main menu with **CH+/CH-** button on the remote control.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Sound Select and press **MENU/ENTER** button to swap the sound of two programs or sources that you want.



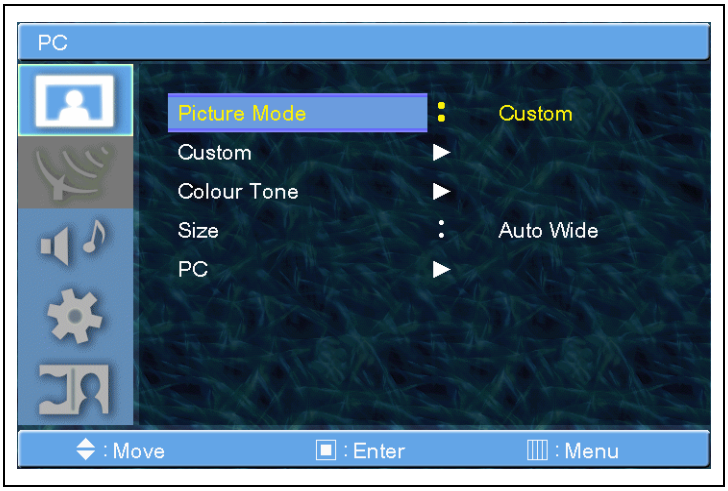
PICTURE (PC)

Picture

1. Press **MENU/ENTER** button to display the main OSD menu.

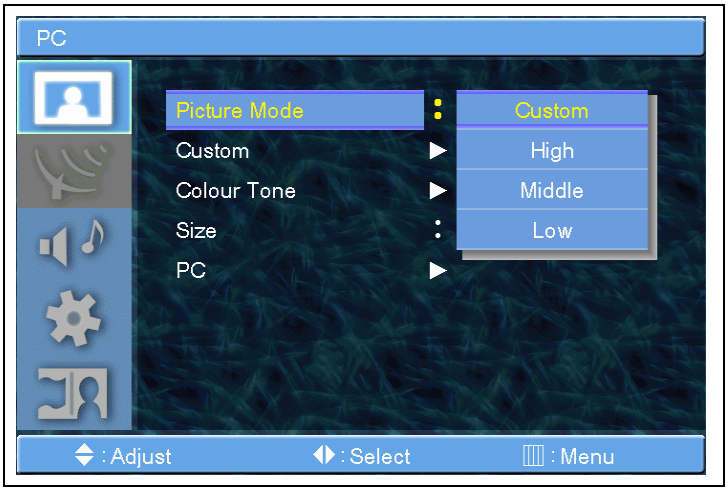
2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.



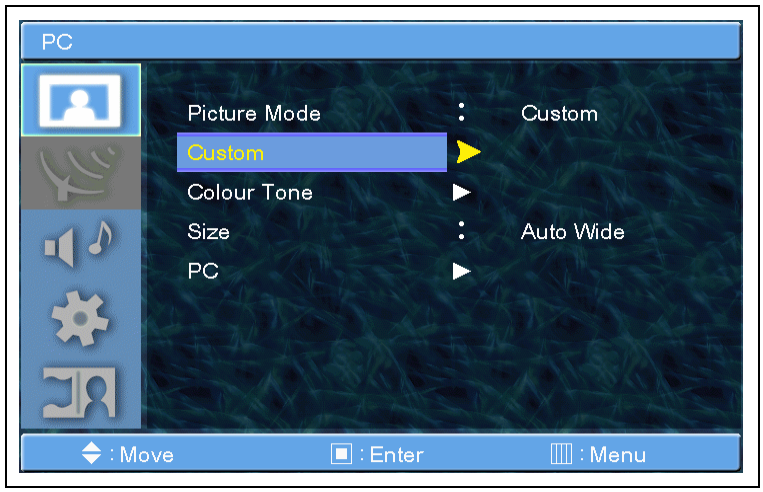
4. Select Picture mode and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.

5. Select the Picture mode with **CH+/CH-** button and press **MENU/ENTER** button.



PICTURE (PC)

Custom



1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Custom and press **MENU/ENTER** button to enter the sub menu. Then the custom sub mode appears.

5. You will see the picture setting bars. You can adjust each values of the custom setting, but the changed values are stored as in Custom mode.

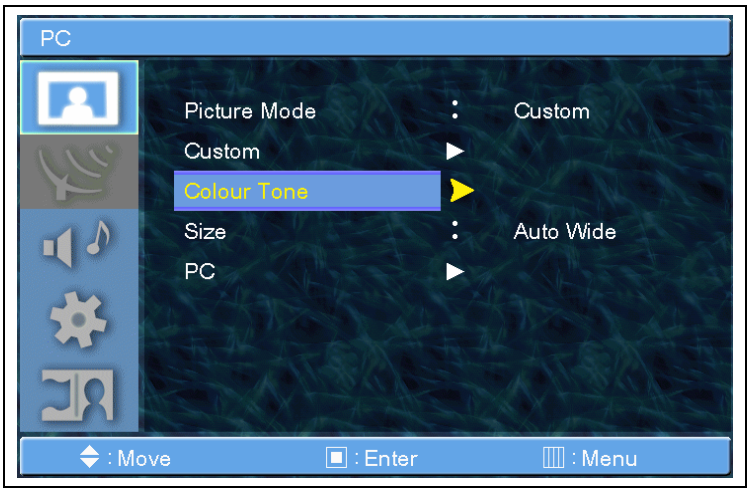
PICTURE (PC)

Color Tone

1. Press **MENU/ENTER** button to display the main OSD menu.

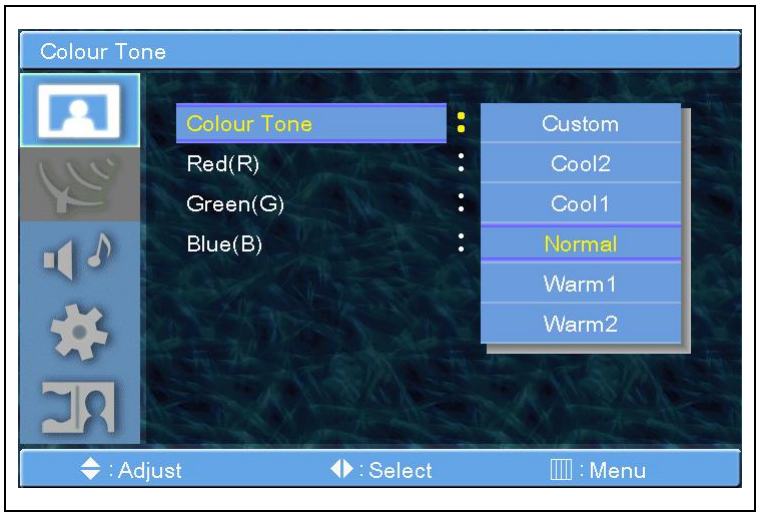
2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select Colour Tone and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.

5. Select the Colour Tone with **CH+/CH-** button and press **MENU/ENTER** button.



PICTURE (PC)

If you select Custom in the Colour Tone popup window on PC, you can select sub modes like as Red, Green, and Blue..

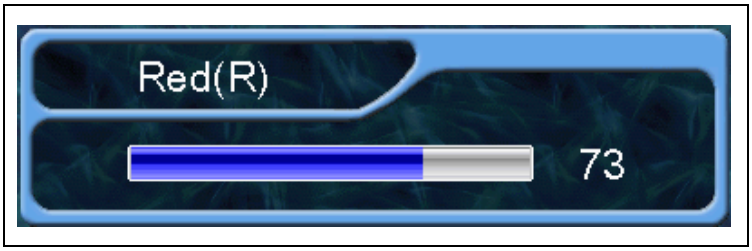
Color Tone

1. Press **MENU/ENTER** button to display the main OSD menu.

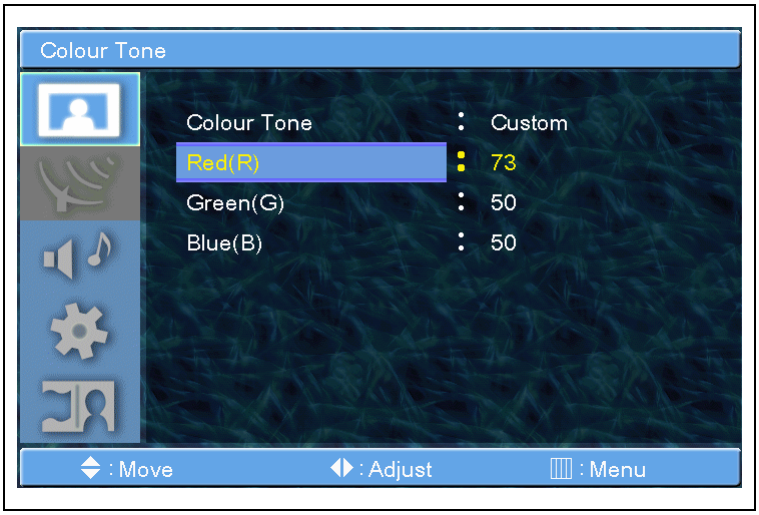
2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.

4. Select Red(R) and press **MENU/ENTER** button to enter the sub menu. Then the setting bar appears.



5. You can adjust each values of the Colour Tone setting.



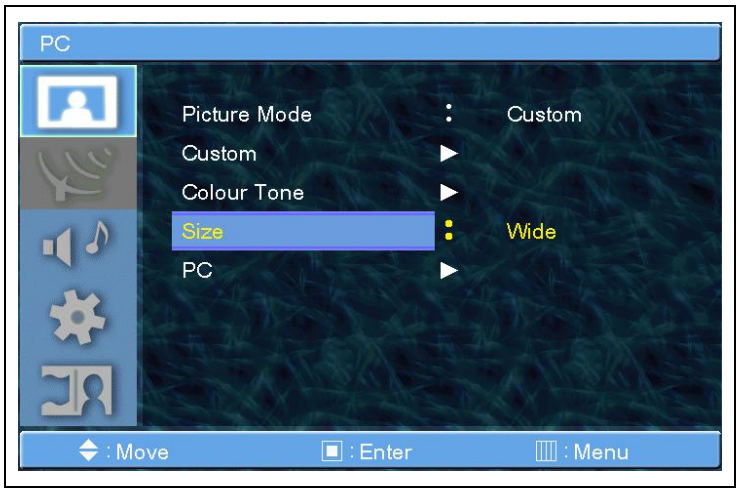
PICTURE (PC)

Size

1. Press **MENU/ENTER** button to display the main OSD menu.

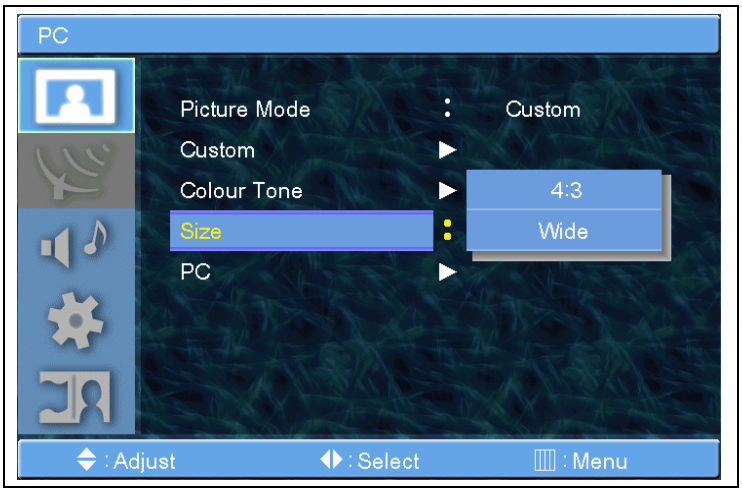
2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.

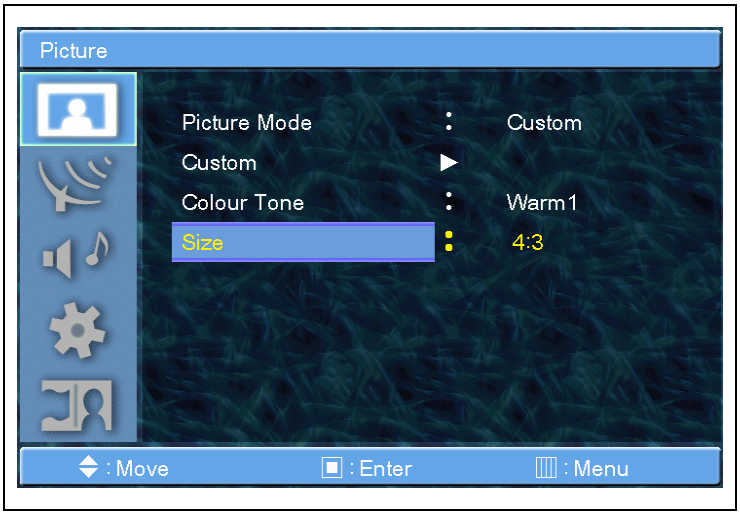


4. Select Size and press **MENU/ENTER** button to enter the sub menu. Then the picture popup window appears.

5. Select the Size with **CH+/CH-** button and press **MENU/ENTER** button.



7. Press **Exit** button to return.



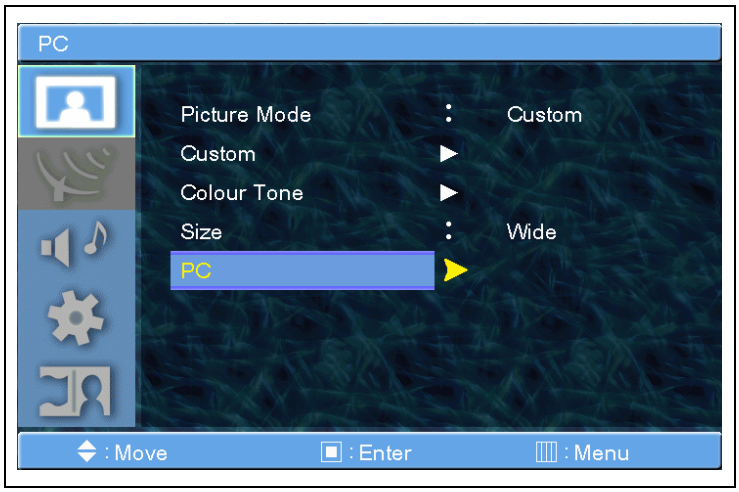
PICTURE (PC)

PC

1. Press **MENU/ENTER** button to display the main OSD menu.

2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.



4. Select PC and press **MENU/ENTER** button to enter the sub menu. Then you will see the sub menu of PC.

5. Select the Size with **CH+/CH-** button and press **MENU/ENTER** button.

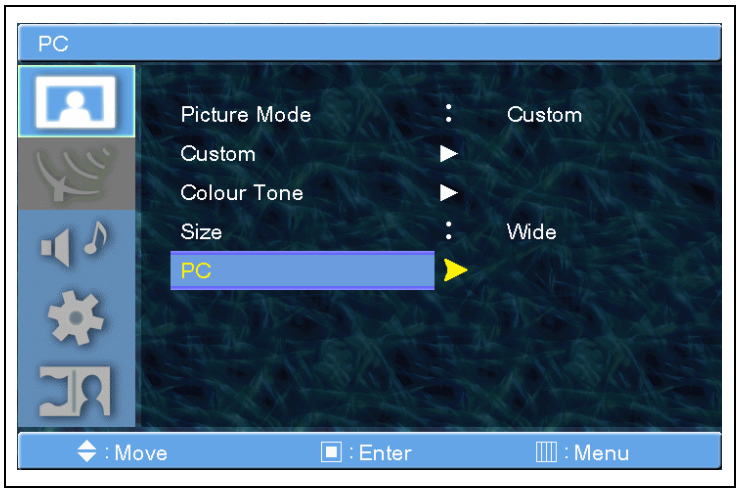
PICTURE (PC)

PC

1. Press **MENU/ENTER** button to display the main OSD menu.

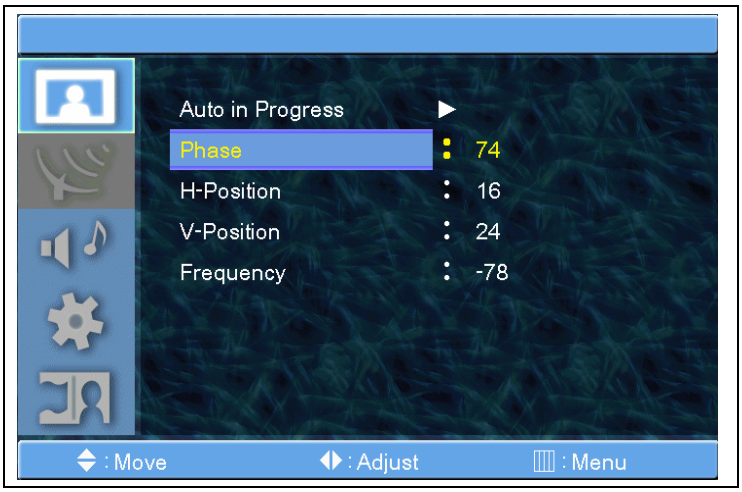
2. Select the picture main menu.

3. Press **MENU/ENTER** to enter the sub menu.

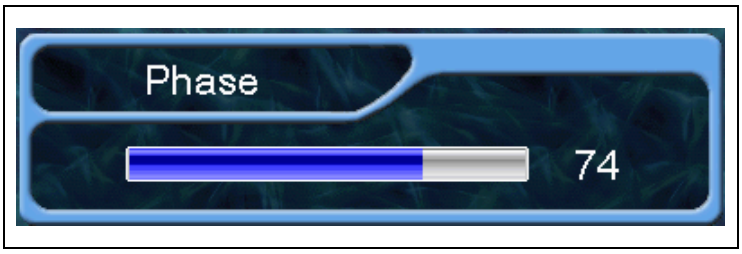


4. Select Phase and press **MENU/ENTER** button to enter the sub menu. Then the setting bar appears.

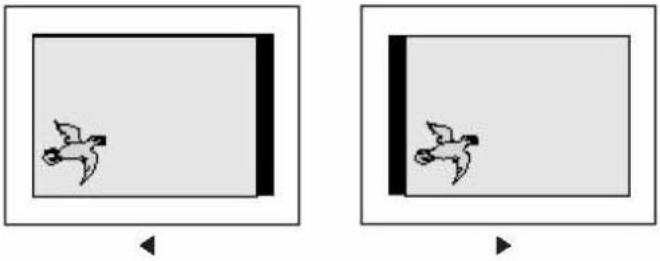
5. You can adjust each values of the PC setting.



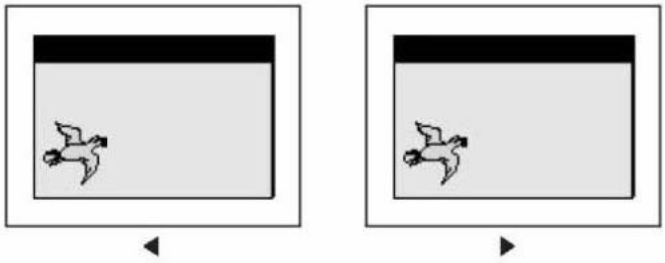
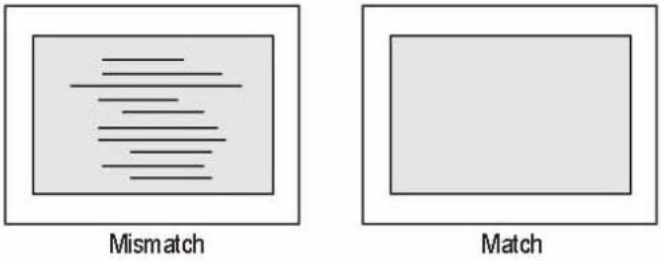
*** For more detail description refer to the next page.**



H-POSITION



V-POSITION



PHASE